



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

MAY 09 2011

EXPRESS MAIL WITH CERTIFIED
RETURN RECEIPT REQUESTED

Mr. Rodney S. Bolton
Ashland Hercules Water Technologies
5228 North Hopkins Street
Milwaukee, Wisconsin 53209

SUBJ: RCRA Case Development Investigation/Evaluation
Hercules, Inc.
EPA ID # MSD008182081

Dear Mr. Bolton:

On September 28-29, 2010, the United States Environmental Protection Agency and the Mississippi Department of Environmental Quality (MDEQ) conducted a Resource Conservation and Recovery Act (RCRA) Case Development Investigation/Evaluation (CDIE) at the Hercules, Inc. facility, located at 613 West 7th Street, in Hattiesburg, Mississippi. This CDIE included sampling conducted by EPA's Science & Ecosystem Support Division (SESD).

Enclosed are the EPA RCRA CDIE Report and the SESD Sampling Report, which indicate that apparent violations of RCRA were discovered. Copies of these reports have also been forwarded to MDEQ. If you have any questions, please contact Randy Jackson of my staff, at (404) 562-8464.

Sincerely,

A handwritten signature in black ink, appearing to read "Bill Truman".

Bill Truman, Acting Chief
South Enforcement and Compliance Section
RCRA and OPA Enforcement and Compliance
Branch

Enclosures

cc: Rick Sumrall, MDEQ with enclosures

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

RCRA CASE DEVELOPMENT INVESTIGATION/EVALUATION REPORT

1. INSPECTOR

Randy G. Jackson
Environmental Engineer

2. FACILITY INFORMATION

Hercules, Inc.
613 West 7th Street
Hattiesburg, MS 39401
EPA ID # MSD008182081

3. RESPONSIBLE OFFICIAL

Charles Jordan
Hercules, Inc. Self-Employed Contractor

4. INSPECTION/EVALUATION PARTICIPANTS

Randy G. Jackson, Lead Inspector, USEPA Region 4
Araceli Bonilla, Environmental Engineer, USEPA Region 4
Paula Whiting, Environmental Engineer, USEPA Region 4
Sharon Matthews, Environmental Scientist, USEPA Region 4 SEDS
Kevin Simmons, Environmental Scientist, USEPA Region 4 SEDS
Art Masters, Environmental Scientist, USEPA Region 4 SEDS
Marty Allen, Environmental Scientist, USEPA Region 4 SEDS
Bill Simpson, Environmental Scientist, USEPA Region 4 SEDS
Jan Patton, Lead Inspector, Mississippi Department of Environmental Quality (MDEQ)
Gloria Tatum, MDEQ
Rick Sumrall, MDEQ
Willie McKercher, MDEQ
Charles Jordan, Self-Employed Contractor, on behalf of Hercules
Kipper Montgomery, ARCADIS Contractor, on behalf of Hercules

5. DATES OF INSPECTION

September 28-29, 2010

6. APPLICABLE STATUTES AND REGULATIONS

Mississippi Hazardous Waste Management Regulations (MHWMR) Parts 260 through 270, 273, and 279.

Resource Conservation and Recovery Act (RCRA), 42 U.S.C. §§ 6901 to 6992k

Title 40, Code of Federal Regulations (C.F.R.) Parts 260 through 270, 273, and 279.

7. PURPOSE OF INSPECTION

This inspection was an EPA and MDEQ Case Development Investigation/Evaluation (CDIE) at the Hercules Inc. facility (the “facility” or “Hercules”) to determine compliance with the applicable requirements of the State and Federal RCRA statutes and regulations.

MDEQ and EPA Region 4 conducted this inspection to evaluate Hercules’ compliance with the MHWMR and the Federal regulations under RCRA. In conjunction with the inspection, EPA Region 4’s Science & Ecosystem Support Division (SESD) took samples in the “Sludge Pit Disposal Area” located within an area of the facility referred to as the “Back Forty,” where Hercules disposed of sludge from its Wastewater Treatment Impoundment Basin (IB), as well as other process wastes. The complete SESD Sampling Report is contained in Attachment 1 to this Report.

8. FACILITY DESCRIPTION AND BACKGROUND

The Hercules Hattiesburg facility was built in the 1920s and began operations around 1923. Originally, the facility was known as the Hercules Powder Company and manufactured explosives. The facility encompasses approximately 168 acres and is surrounded by both residential and industrial areas, as well as the Roseland Park Cemetery, located to the southeast. In full operation, the facility operated 24 hours a day, seven days a week. The Hercules facility produced and marketed over 250 specialty chemicals used in making a variety of products for home, office, and industrial markets worldwide. Some of the products manufactured during its decades of operation included gunpowder, modified resins, polyamides, Agent Orange, crude tall oil wax emulsions, synthetic rubber, and Delnav, an agricultural pesticide. Processes included wood grinding, shredding extraction, fractionation, refining, distillation, and processing of rosin

from pine tree stumps. In November 2008, Ashland, Inc. (Ashland) completed its acquisition of Hercules, at which time Hercules became a wholly-owned subsidiary of Ashland. Ashland continued manufacturing operations at the facility until November 2009, when manufacturing operations ceased. The last two products produced at the facility were alkyl ketene dimmer (AKD) (July 2009) and Kymene (October/November 2009). AKD is an internal sizing additive and Kymene is a wet-strength resin used in paper products.

A variety of structures and operating units have existed at the facility over the course of its numerous operations. These structures include warehouses, office buildings, tanks, water towers, an industrial wastewater treatment system, rail services, clarifiers, and stacks. Operating units that have existed at the facility include the Wastewater Treatment Impoundment Basin (IB), Drum Recycle Area, a former Pine Tree Stump Pile, Cat Tail Pond (also known as the "Wetlands" or the "Polishing Pond"), the Back Forty, which contains the Sludge Pit Disposal Area (which consists of numerous sludge pits), and the Industrial Landfill Area. These units have been used in a variety of ways depending on the need of the facility at the time. A diagram of the facility layout can be found in Attachment 2 to this Report.

Historically, the IB was operated as a part of the wastewater treatment process. During the operation of the IB, solids would form a sludge that would periodically require removal for the continued operation of the unit. Beginning in the 1970s, sludge would be periodically removed from the IB and placed in the Sludge Pit Disposal Area located in the Back Forty. Additional details regarding the IB and the Sludge Pit Disposal Area are discussed in Sections 10.5 and 10.6, respectively. The Back Forty also provided a disposal location for a variety of other process wastes, as well as boiler ash.

On December 10, 2007, Hercules executed a Notice of Land Use Restrictions in conjunction with a Restrictive Use Agreed Order entered into with MDEQ. This Notice documented that the soil and groundwater at the facility contain benzene, chlorobenzene, carbon tetrachloride, chloroform, 1,2-dichloroethane, and toluene in excess of MDEQ's Target Remediation Goals (TRGs). As a result, the following restrictions were placed on the property:

1. There shall be no excavating, drilling or other activities to depths that could create exposure to contaminated media without approval from MDEQ.
2. The groundwater at the Site shall not be used, unless otherwise approved by MDEQ.
3. Monitoring wells shall be protected and maintained. In the event that a monitoring well is destroyed or damaged or is no longer needed, a plan for repair, reinstallation or abandonment of the well(s) must be submitted to MDEQ for approval.
4. No wells shall be installed without prior approval from MDEQ.

On January 11, 2011, MDEQ issued a separate Inspection Report from the September 2010 joint CDIE. This Inspection Report documented minor violations of RCRA, but stated that the violations alleged in MDEQ's November 2008 Notice of Violation (NOV) were still in effect and independent of the violations alleged in the 2011 Report. Specifically, MDEQ's November 2008 NOV alleged the following violations with respect to the IB: (1) treatment, storage, or disposal of hazardous waste without a permit or interim status in violation of MHWMR §§ 270.1(c) and 270.71(a); (2) failure to meet the design requirements of MHWMR 264 and 265 Subpart K for surface impoundments used to treat, store, or dispose of hazardous waste; (3) failure to conduct the required groundwater monitoring under MHWMR 264 and 265 Subpart F; (4) failure to have the required closure and post-closure plans for the surface impoundment in violation of MHWMR §§ 264.1, 264.112, 264.118, 265.1, 265.112, and 265.118; (5) failure to have written cost estimates for closure and post-closure of the impoundment in violation of MHWMR §§ 264.142, 264.144, 265.142, and 265.144; (6) failure to provide financial assurance for closure and post-closure of the impoundment in violation of MHWMR §§ 264.143, 264.145, 265.143, and 265.145; (7) failure to provide liability insurance for the impoundment in violation of MHWMR §§ 264.1, 264.147, 265.1, and 265.147; and (8) disposing of hazardous waste in a surface impoundment in excess of applicable treatment standards under MHWMR § 268.40 for such surface impoundments.

9. **Findings**

The joint EPA and MDEQ inspection began at approximately 8:10 a.m. C.D.T. on September 28, 2010. Credentials were presented to Mr. Jordan, who is Hercules' authorized representative, and the purpose of the inspection and sampling efforts were described. The findings are as follows, and all pictures referenced below can be found in Attachment 3.

9.1. **QA/QC Lab Area**

The QA/QC lab had a Hazardous Waste Satellite Accumulation Area (HWSAA) outside the laboratory building (see Attachment 2 for facility layout). A white 55-gallon drum of acetone was stored inside a clam-shell container and was observed to be labeled and closed (Pictures 13 and 14 in Attachment 3). Inside the lab, the inspectors observed two bottles labeled sulfuric acid (H_2SO_4) disposed of in a garbage bin marked non-hazardous waste (Picture 15 in Attachment 3). Outside the entrance to the lab, compressed gas cylinders were observed upright and chained to the wall (Picture 16 in Attachment 3).

As such, Hercules, appears to have failed to properly make a hazardous waste determination as required by MHWMR 262 (40 C.F.R. § 262.11), which states that a person who generates a solid waste must determine if that waste is a hazardous waste using appropriate methods.

9.2. Hazardous Waste Storage

The inspectors noted a pallet of containers of "Tie Renewal" (material used on railroad ties) in an outdoor covered storage area beside Warehouse #8 (see Attachment 2 for facility layout). This material was stored pending collection for reuse.

A second HWSAA was observed outside near the former Kymene production area (see Attachment 2 for facility layout). This HWSAA was composed of a clam-shell container with a 55-gallon drum used to dispose of waste aerosols (D001). The drum was labeled but was not closed properly (Pictures 29 and 30 in Attachment 3).

As such, Hercules, appears to have failed to adhere to a condition for exemption from Section 3005 of RCRA, 42 U.S.C. § 6925, given in MHWMR 262 (40 C.F.R. § 262.34(c)(1)(i)), which states that a generator may accumulate as much as 55 gallons of hazardous waste in containers at or near the point of generation where wastes initially accumulate, which is under the control of the operator of the process generating the waste, without a permit or interim status and without complying with 40 C.F.R. § 262.34(a), provided that he complies with 40 C.F.R. §§ 265.171, 265.172, and 265.173(a). MHWMR 265 (40 C.F.R. § 265.173(a)) requires that a generator of hazardous waste manage its hazardous waste in containers that are closed when hazardous waste is not being added or removed.

9.3. Universal Waste

Universal waste was stored in Warehouse #2/3 (see Attachment 2 for facility layout) in two containers. One container was labeled and an accumulation start date was observed on the container. The other container held used fluorescent lamps without a label or an accumulation start date. There was evidence of broken lamps in a garbage bin and on the ground (Pictures 17 and 18 in Attachment 3).

As such, Hercules, appears to be violation of MHWMR 273 (40 C.F.R. § 273.13(d)(1)), which requires that small quantity handlers of universal waste must contain universal waste lamps in containers and packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps. Such containers and packages of lamps must remain closed and must lack evidence of leakage, spillage, or damage that could cause leakage under reasonably foreseeable conditions.

As such, Hercules, appears to be in violation of MHWMR 273 (40 C.F.R. § 273.14(e)), which requires that universal waste lamps, or containers or packages in which such lamps are contained, must be labeled or marked clearly with any one of the following phrases: "Universal Waste-Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."

In addition, Hercules, appears to be in violation of MHWMR 273 (40 C.F.R. § 273.15(c)), which requires that small quantity handlers of universal waste who accumulate universal waste must be able to demonstrate the length of time that the universal waste has been accumulated from the date it becomes a waste or is received. The handler may make this demonstration by placing the universal waste in a container and marking or labeling the container with the earliest date that any universal waste in the container became a waste or was received.

9.4. Used Oil

Used oil was found in Warehouse #8 (see Attachment 2 for facility layout). It was properly contained on a spill containment pallet in six 5-gallon buckets labeled "Used Oil." Three 55-gallon drums labeled "Regenerated Catalyst" were also observed in the covered storage area outside of Warehouse #8. Upon closer inspection of the drums, it was noted that the drums contained used oil and not "Regenerated Catalyst" (Pictures 21, 22, and 23 in Attachment 3).

As such, Hercules appears to be in violation of MHWMR 279 (40 C.F.R. § 279.22(c)(1)), which requires that containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words "Used Oil."

9.5. Wastewater Treatment Impoundment Basin

The IB, which encompasses approximately 17,500 square feet, is located on the eastern portion of the facility near the Cat Tail Pond and Providence Street. During the operation of the IB, solids would form a sludge that would be periodically removed and disposed of in the Sludge Pit Disposal Area within the Back Forty. Wastewater sludge sampling within the IB was performed by Eco-Systems, Inc. for Hercules in July and September 2008 to determine whether benzene concentrations within the IB sludge exceeded the Toxicity Characteristic Leaching Procedure (TCLP) limit (0.5 mg/L). Results from the September 4, 2008, sampling event revealed three samples which exceeded the TCLP limit for benzene (SS-5, SS-6, and SS-8), showing that the IB contained characteristically hazardous waste. The IB is a "surface impoundment" as defined in MHWMR 260 (40 C.F.R. § 260.10). The IB has no liner or leachate collection system in place. The IB was not RCRA closed when the facility ceased manufacturing operations in November of 2009 (Picture 24 in Attachment 3), nor did the facility obtain a permit or interim status for operation of a hazardous waste Treatment, Storage or Disposal (TSD) facility.

As such, Hercules appears to be in violation of Section 3005 of RCRA, 42 U.S.C. § 6925, for operating a hazardous waste TSD facility without a permit or interim status, and is therefore subject to the applicable requirements of MHWMR 260 to 270 (40 C.F.R. Parts 260 to 270), including, but not limited to:

- **MHWMR 264 (40 C.F.R. § 264.31) for failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment; and**
- **MHWMR 268 (40 C.F.R. Part 268), including Sections 268.7, 268.9, and 268.40(a), for disposing of hazardous waste into a surface impoundment without determining the applicable treatment standards; disposal before the treatment standards were met; and failure to comply with other notice, certification, and waste analysis requirements in these sections.**

9.6. Sludge Pit Disposal Area

The Sludge Pit Disposal Area is located in the Back Forty on the northwestern portion of the facility near North Main Street, and consists of unlined disposal areas. According to a 1978 Congressional Survey, the utilization of this area began in 1923, and it continued to be used for disposal purposes until approximately 2002. These disposal areas received waste generated from “removal campaigns” conducted within the IB. According to MDEQ, this area contains approximately 14,416 cubic meters of waste. The sludge pits within the Sludge Pit Disposal Area meet the definition of both “surface impoundment” and/or “landfill” as defined in MHWMR 260 (40 C.F.R. § 260.10).


On September 28-29, 2010, EPA, SEDS, and MDEQ inspected the Sludge Pit Disposal Area and SEDS conducted sampling activities within the area. SEDS collected thirteen samples to determine the levels of metals, volatile organic compounds (VOCs), including benzene, and semi-volatile organic compounds (SVOCs) (Pictures 1-12 in Attachment 3). Borings were completed using Geoprobe® direct-push technology or hand auger in the Sludge Pit Disposal Area. Two samples had been proposed from the Cat Tail Pond, but only one could be collected due to the high quantity of vegetative material. Samples from the Sludge Pit Disposal Area were collected based on visual observations and screening results obtained with the Thermo Toxic Vapor Analyzer (TVA) 100B. All samples were analyzed for VOCs, SVOCs, metals, and TCLP. Six of the samples failed TCLP for benzene. Sampling results and locations of the samples are included in the SEDS Report provided as Attachment 1 to this Report.

As such, Hercules, appears to have failed to properly make an adequate hazardous waste determination as required by MHWMR 262 (40 C.F.R. § 262.11), which states that a person who generates a solid waste must determine if that waste is a hazardous waste using appropriate methods.

As such, Hercules appears to be in violation of Section 3005 of RCRA, 42 U.S.C. § 6925, for operating a hazardous waste TSD facility without a permit or interim status, and is therefore subject to the applicable requirements of MHWMR 260 to 270 (40 C.F.R. Parts 260 to 270), including, but not limited to:

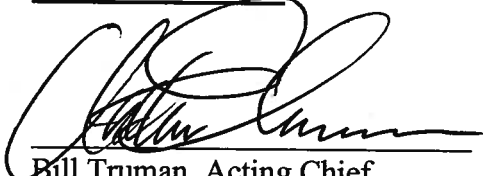
- MHWMR 264 (40 C.F.R. § 264.31) for failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment; and
- MHWMR 268 (40 C.F.R. Part 268), including Sections 268.7, 268.9, and 268.40(a), for disposing of hazardous waste into a surface impoundment or landfill without determining the applicable treatment standards; disposal before the treatment standards were met; and failure to comply with other notice, certification, and waste analysis requirements in these sections.

11. SIGNED


Randy G. Jackson
Environmental Engineer

5-9-11
Date

12. CONCURRENCE


Bill Truman, Acting Chief
South Enforcement and Compliance Section
RCRA and OPA Enforcement and Compliance Branch

5/9/11
Date



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4**

Science and Ecosystem Support Division
Enforcement and Investigations Branch
980 College Station Road
Athens, Georgia 30605-2720

4SESD-EIB

January 31, 2011

MEMORANDUM

SUBJECT: SESD Final Field Investigation Report for
Hercules Inc., Hattiesburg, Mississippi
EPA ID No. MSD 008 182 081; SESD Project No. 10-0629

FROM: Sharon Matthews, PG
Enforcement Section

SEM
1/31/11

THRU: Laura Ackerman, Chief
Enforcement Section

LA

TO: Larry Lamberth, Chief
South Enforcement and Compliance Section
RCRA & OPA Enforcement and Compliance Branch
RCRA Division

Attached is the final Field Investigation Report for the sampling conducted at Hercules Inc. in Hattiesburg, Mississippi on September 28-29, 2010. If you have any questions, please contact me at matthews.sharon@epa.gov. or at (706) 355-8608.

Attachment

Randy Jackson, RCRA w/attachment
Willie McKercher, MDEQ w/attachment
Jan Patton, MDEQ w/ attachment

United States Environmental Protection Agency
Region 4

Science and Ecosystem Support Division
980 College Station Road
Athens, Georgia 30605-2720



**Field Investigation Report
Hercules Inc.**

Hattiesburg, Mississippi

Date of Final Report: January 31, 2011

SESD Project Identification Number: 10-0629

Requestor: Randy Jackson
South Enforcement & Compliance Section
RCRA & OPA ECB, RCRA Division
61 Forsyth Street, SW
Atlanta, GA 30303-8960

SESD Project Leader: Sharon Matthews
SESD Enforcement Section
980 College Station Road
Athens, Georgia 30605-2720

Title and Approval Sheet

Title: Hercules Inc.
Field Investigation Report

Approving Official:

Laura Ackerman

Laura Ackerman, Section Chief
Enforcement Section
Enforcement and Investigations Branch

01/31/11
Date

SESD Project Leader:

Sharon Matthews

Sharon Matthews, PG
Enforcement Section
Enforcement and Investigations Branch

1/31/11
Date

FIELD INVESTIGATION REPORT
Hercules Inc., Hattiesburg, Mississippi
SESD Project Identification Number: 10-0629

I. INTRODUCTION

On September 28-29, 2010, representatives of the Science and Ecosystem Support Division (SESD) conducted a sampling investigation at the Hercules Inc. facility in Hattiesburg, Mississippi. This field investigation was requested by the EPA South Enforcement & Compliance Section, RCRA Division and the Mississippi Department of Environmental Quality (MDEQ) as part of the EPA Surface Impoundment Initiative.

In April 2008, Hercules Inc. informed the MDEQ that an onsite impoundment basin was to be closed. MDEQ requested additional information on closure operations including a request for Hercules to characterize the sludge. After three sampling events, the results indicated some areas of the sludge exhibited hazardous characteristics for benzene. A notice of violation (NOV) was issued in November 2008 to the facility.

MDEQ contacted the EPA to see if they would conduct sampling and analysis of the sludge disposal area from prior surface impoundment clean-outs to determine if illegal disposal had occurred. The sludge disposal area is located on the ‘back forty’ of the facility’s 170 acres, and spans an area of 6 to 7 acres.

Personnel that participated in the investigation included:

Randy Jackson	EPA Region 4-Atlanta, GA	(404) 562-8464
Paula Whiting	EPA Region 4-Atlanta, GA	(404) 562-9277
Araceli Bonilla	EPA Region 4-Atlanta, GA	(404) 562-9790
Jan Patton	MDEQ – Jackson, MS	(601) 961-5782
Willie McKercher	MDEQ – Jackson, MS	(601) 961-5731
Gloria Tatum	MDEQ – Jackson, MS	(601) 961-5011
Rick Sumrall	MDEQ – Jackson, MS	(601) 961-5791
Charles Jordan	Hercules- Hattiesburg, MS	(601) 584-3360
Kipper Montgomery	Arcadis – Baton Rouge, LA	(225) 292-1004
Kevin Simmons	EPA Region 4-Athens, GA	(706) 355-8730
Art Masters	EPA Region 4-Athens, GA	(706) 355-8612
Bill Simpson	EPA Region 4- Athens, GA	(706) 355-8748
Marty Allen	EPA Region 4-Athens, GA	(706) 355-8651
Sharon Matthews	EPA Region 4-Athens, GA	(706) 355-8608

II. SUMMARY

SESD collected a total of thirteen subsurface waste samples, twelve from the “back forty” area and one from the “wetlands” area. Samples were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), metals and TCLP. MDEQ and EPA requested the analytical data be compared to residential levels for soil given in the Tier 1 Target Remediation Goals (TRGs) and the most recent USEPA Regional Screening levels (RSLs).

Eighteen volatile organic compounds were detected in the thirteen samples. Benzene failed the TCLP regulatory limit of 0.5 mg/L in six of the samples and was detected in ten samples. Toluene and p-isopropyltoluene were detected in all thirteen samples. Methylcyclohexane and 1, 2, 4-trimethylbenzene were detected in eleven samples and. Cyclohexane was detected in nine samples and ethyl benzene was detected in eight samples. The remainder of the VOCs were detected in six or less of the samples.

Forty SVOCs were detected in the thirteen samples. None of the SVOCs failed TCLP for the thirteen samples. The compound 1, 1-biphenyl was detected in twelve of the thirteen samples and petroleum product was detected in eleven of the samples. Phenol, hexahydro-tetramethylmethanonaphthalene (TIC) and dimethylisopropylphenanthrene (TIC) were detected in ten of the samples. Nine samples contained camphene, 2-methylnaphthalene, and naphthalene. Eight of the samples contained diphenyl ether (TIC), (3-and/or 4) methylphenol, methyl (methylethyl) benzene (TIC), methyl (methylethyl)cyclohexane (TIC), and trimethyl-bicycloheptane (TIC). Seven of the samples contained 2-methylphenol, fluoranthene and pinene (TIC). The remainder of the SVOCs were detected in six or less of the samples.

Twenty-two metals were detected in the thirteen samples with seventeen detected in all of the samples. Arsenic was detected in samples HERC04-B, HERC05-A, HERC10-B and HERC13-B at levels that exceeded both the MDEQ and EPA regulatory levels with values ranging from 5.0 to 6.4 mg/kg. None of the samples exceeded the MDEQ and EPA regulatory levels for Chromium III; however, all of the samples exceeded the EPA regulatory level of 0.29 mg/kg for Chromium VI. Vanadium was detected in samples HERC03-B, HERC04-B, HERC05-A, HERC08, HERC09-B, HERC10-B, HERC11-B, HERC12-B and HERC13-B at levels that exceeded the EPA regulatory level of 5.5 mg/kg with values ranging from 5.6 to 18 mg/kg. No other metal concentrations exceeded the MDEQ and EPA regulatory levels. None of the metals failed TCLP for the thirteen samples.

III. SITE BACKGROUND

The facility is located at 613 West Seventh Street in Hattiesburg, Mississippi (Figure 1). Facility operations, which began in 1923, included wood grinding, shredding extraction, fractionation, refining, distillation and processing of rosin from pine tree stumps. Some of the products that were manufactured included modified resins, polyamides, ketene dimmer, crude tall oil wax emulsions, synthetic rubber and the agricultural pesticide Delnav. Hercules also manufactured specialty organic chemicals for use in paper products. Over 250 products were produced at the facility. Hercules downsized the Hattiesburg operations and has now ceased operations.

A state preliminary assessment was completed in December 1989 and indicated two source areas which included about 38 acres of contaminated soil and almost 900,000 cubic feet of surface impoundments. The contaminated soil contained cadmium, cobalt, lead, mercury, toluene, MEK, benzene, PCBs and acetone. Contaminants present in the surface impoundments included arsenic, heavy metals, toluene, MEK and benzene.

In April 2008 the facility sent a letter to MDEQ to close an onsite impoundment basin. MDEQ requested additional information on closure operations including a request for Hercules to characterize the sludge. After three sampling events, the results indicated some areas of the

sludge exhibited hazardous characteristics for benzene. A notice of violation (NOV) was issued November 2008. Prior surface impoundment clean-outs had been taken to a landfill disposal area located on the 'back forty' of the facility's 170 acres, spanning an area of 6 to 7 acres. According to information from MDEQ, the "back forty" had been used to dispose of process wastes, boiler ash and waste treatment sludge from plant activities. A compliance evaluation inspection conducted by MDEQ in March 2009 resulted in several violations involving the surface impoundment and closure/post-closure procedures. MDEQ then requested EPA's assistance in sampling and testing the sludge disposal area to determine if illegal disposal had occurred.

IV. DISCUSSION OF FIELD ACTIVITIES

SESD personnel arrived at the site Tuesday, September 28, 2010 at around 7:45 am and met with EPA-Atlanta, MDEQ and facility personnel to assess the proposed sampling areas. Using an authoritative sampling design, sampling locations were determined in the field by MDEQ and EPA personnel based on access and prior knowledge of the site. Twelve borings were completed using Geoprobe direct-push technology or hand auger in the 'back forty' disposal area. Total depth of the sludge had been estimated to be around 14 to 16 feet below land surface but was actually closer to 5 to 8 feet in depth. Two samples had been proposed from the wetlands, but only one could be collected due to the high quantity of vegetative material/roots. Two samples had been proposed from the impoundment outfall, but those sample locations were deleted and added to the samples to be collected from the "back forty". Samples from the sludge disposal area were collected based on visual observations and screening results obtained with the Thermo Toxic Vapor Analyzer (TVA) 1000B. All samples were analyzed for VOCs, SVOCs, metals and TCLP. Table 1 gives information on the waste samples. Sampling locations are shown on Figures 3, 4 and 5. Photographs taken during the investigation are included in Appendix A.

Waste Samples

Under the direction of EPA-Atlanta and MDEQ personnel, sample **HERC01-A** was collected from the "back forty" using Geoprobe direct-push equipment to a depth of 0 to 4 feet below land surface (BLS). The core was screened with a Thermo Toxic Vapor Analyzer (TVA) 1000B. The sample was described as a black organic rich material with a strong odor of pine. The waste sample core was placed in a glass pan and using a stainless steel spoon, three 8-ounce glass containers were filled for the VOC, SVOC and total metals analyses. The VOC sample was collected first, and then the remainder of the sample was homogenized in the glass pan. The facility elected to split with EPA for all samples and supplied one 4-ounce amber glass container for VOCs, one 16-ounce glass container for SVOCs and one 8-ounce plastic container for metals.

For sample **HERC02-B**, a stainless steel hand auger was used to auger to 5 feet BLS. The waste sample was collected from 3.5 to 5 feet BLS and was described as a tan to black sticky material. EPA and facility containers were filled for the VOC, SVOC and total metals analyses using the same procedure described above.

Sample **HERC03-B** was also collected with a stainless steel hand auger from some of the oldest part of the “back forty” sludge disposal area. The waste sample was collected from 4 to 5 feet BLS and was described as a black organic material with a strong odor, sandier at depth. Native material of sand and gravel was noted at about 6 feet BLS. EPA and facility containers were filled for the same analyses using the same procedure described above.

Sample **HERC04-B** was collected with a stainless steel hand auger from the older part of the “back forty” sludge disposal area. The waste sample was collected from 6 to 7 feet BLS and was described as a black organic material with some odor. EPA and facility containers were filled for the same analyses using the same procedure described previously.

Sample **HERC05-A** was collected with a stainless steel hand auger from the older part of the “back forty” sludge disposal area. The waste sample was collected from 5.5 to 6.5 feet BLS and was described as a dark organic sludge with a strong odor. EPA and facility containers were filled for the same analyses using the same procedure described before.

Sample **HERC06-B** was collected with a stainless steel hand auger from 4.5 to 5.5 feet BLS and was described as a dark gray to black sludge with a strong odor, drier material at the surface that became moister and sandier with depth. The sand that was encountered at 5.5 to 6 feet BLS is the sand layer that sits on top of the Hattiesburg clay in this area, indicating native material. EPA and facility containers were filled for the same analyses using the same procedure described previously.

Sample **HERC07-B** was collected with a stainless steel hand auger from 5.5 to 6 feet BLS and was described as a drier dark organic material which became moister with depth. EPA and facility containers were filled for the same analyses using the same procedure described before.

Sample **HERC08** was collected with a stainless steel scoop from the “wetlands” area from a depth of about 3 to 4 inches. The material was mostly cat-tails and detritus with some stratified sludgy material with no odor. Two samples had been proposed from the wetlands, one around the influent and one from the effluent, but only the influent sample could be collected due to the high amount of vegetative material/roots around the effluent area. EPA and facility containers were filled for the same analyses using the same procedure described previously.

Sample **HERC09-B** was collected from the “back forty” using Geoprobe direct-push equipment. The first core was 0 to 4 feet BLS and was a black organic material. The second core was collected from 4 to 8 feet BLS and was black sludge for the first foot, then native sand. Because the core was compacting inside the core barrel, it was decided to hand auger this and subsequent samples to collect enough material to fill all the EPA and facility sample containers. The sample was collected from 5 to 6 feet BLS and described as a black sludge material. EPA and facility containers were filled for the same analyses using the same procedure described before.

Sample **HERC10-B** was collected with a stainless steel hand auger from 5 to 6 feet BLS. Native sand was encountered at 6 feet BLS. The black sludge sample was collected above the sand and some odor was noted during sampling. EPA and facility containers were filled for the same analyses using the same procedure described previously.

Sample **HERC11-B** was collected with a stainless steel hand auger from 5 to 6 feet BLS. Native sand was encountered at 6 feet BLS. The sample was collected above the sand and was described as a black organic sludge with some odor. EPA and facility containers were filled for the same analyses using the same procedure described before.

Sample **HERC12-B** was collected with a stainless steel hand auger from 4.5 to 5.5 feet BLS. Native sand was encountered at 5.5 feet BLS. The sample was collected above the sand and was described as a black sludge with some odor. EPA and facility containers were filled for the same analyses using the same procedure described previously.

Sample **HERC13-B** was collected with a stainless steel hand auger from 4.5 to 5.5 feet BLS. Native sand was encountered at 5.5 feet BLS. The sample was collected above the sand and was described as a black sludge material with a strong odor and an oily sheen. EPA and facility containers were filled for the same analyses using the same procedure described before.

V. RESULTS OF ANALYSES

Samples were analyzed for VOCs by SW-846 Methods 8260C, for SVOCs by SW-846 Method 8270D and for total metals by SW-846 Method 6010. Analytical results for the VOC-detected analytes in the waste samples are given in Table 2 and the TCLP results are given in Table 3. The MDEQ Tier 1 TRG and EPA Regional Screening Levels (RSLs) for VOCs in residential soils are listed in Table 4. Results for the SVOC-detected analytes are given in Table 5. Because no compounds failed TCLP for SVOCs, there is no TCLP table. The MDEQ Tier 1 TRG and EPA RSLs for SVOCs in residential soils are listed in Table 6. Analytical results for total metals are given in Table 7 and the MDEQ Tier 1 TRG and EPA RSLs for metals are given in Table 8. Because no compounds failed TCLP for metals, there is no TCLP table. The complete set of results generated by the SESD laboratory is included as Appendix B. The following analytes were detected in samples collected at the facility:

Volatile Organic Compounds- (Tables 2, 3 and 4)

Eighteen volatile compounds were detected in the thirteen samples (**Table 2**). Toluene and p-isopropyltoluene were detected in all thirteen samples. Methylcyclohexane and 1,2,4-trimethylbenzene were detected in eleven samples and benzene was detected in ten samples. Cyclohexane was detected in nine samples and ethyl benzene was detected in eight samples. The remaining VOCs were detected in six or less of the samples. Benzene failed the TCLP regulatory limit of 0.5 mg/L in six of the samples (**Table 3**). Analytical data was compared to the MDEQ and EPA regulatory levels referenced in **Table 4**. Exceedences are listed below:

HERC01-A - *Analytes exceeding the reference standard or level:* benzene (18 mg/kg), toluene (7100 mg/kg)

HERC02-B - *Analytes exceeding the reference standard or level:* benzene (37 mg/kg), ethyl benzene (6.5 J, O mg/kg), toluene (16000 mg/kg)

HERC03-B - *Analytes exceeding the reference standard or level:* benzene (3.4 mg/kg)

HERC04-B - *Analytes exceeding the reference standard or level:* benzene (19 mg/kg), toluene (3000 mg/kg)

HERC05-A - *Analytes exceeding the reference standard or level:* benzene (14 mg/kg), toluene (5300 mg/kg)

HERC06-B - *Analytes exceeding the reference standard or level:* toluene (280 mg/kg)

HERC07-B - *Analytes exceeding the reference standard or level:* toluene (1400 mg/kg)

HERC08 - *Analytes exceeding the reference standard or level:* none

HERC09-B - *Analytes exceeding the reference standard or level:* benzene (170 mg/kg), toluene (1100 mg/kg)

HERC10-B - *Analytes exceeding the reference standard or level:* benzene (140 mg/kg), toluene (3100 mg/kg)

HERC11-B - *Analytes exceeding the reference standard or level:* benzene (77 mg/kg), toluene (2600 mg/kg)

HERC12-B - *Analytes exceeding the reference standard or level:* benzene (440 mg/kg), isopropylbenzene (47 mg/kg), toluene (160 mg/kg)

HERC13-B - *Analytes exceeding the reference standard or level:* benzene (390 mg/kg), toluene (3400 mg/kg)

Semi Volatile Organic Compounds (Tables 5 and 6)

Forty SVOCs were detected in the thirteen samples (**Table 5**). The compound 1,1-biphenyl was detected in twelve of the thirteen samples and petroleum product was detected in eleven of the samples. Phenol, dimethylisopropylphenanthrene (TIC), and hexahydro-tetramethylmethanonaphthalene (TIC) were detected in ten of the samples. Nine samples contained 2-methylnaphthalene, camphene and naphthalene. Eight of the samples contained diphenyl ether (TIC), (3-and/or 4) methylphenol, methyl(methylethyl)benzene (TIC), methyl(methylethyl)cyclohexane (TIC), and trimethylbicycloheptane (TIC). Seven of the samples contained 2-methylphenol, fluoranthene and pinene (TIC). The remainder of the SVOCs were detected in six or less of the samples. None of the SVOCs failed TCLP for the thirteen samples. Analytical data was compared to the MDEQ and EPA regulatory levels referenced in **Table 6**. Exceedences are listed below:

HERC01-A - *Analytes exceeding the reference standard or level: naphthalene (6.2 mg/kg)*

HERC02-B - *Analytes exceeding the reference standard or level: 1,1-biphenyl (3900 mg/kg), naphthalene (8.8 mg/kg)*

HERC03-B - *Analytes exceeding the reference standard or level: none*

HERC04-B - *Analytes exceeding the reference standard or level: naphthalene (7.8 mg/kg)*

HERC05-A - *Analytes exceeding the reference standard or level: naphthalene (8.7 mg/kg)*

HERC06-B - *Analytes exceeding the reference standard or level: none*

HERC07-B - *Analytes exceeding the reference standard or level: none*

HERC08 - *Analytes exceeding the reference standard or level: none*

HERC09-B - *Analytes exceeding the reference standard or level: none*

HERC10-B - *Analytes exceeding the reference standard or level: naphthalene (6.7 mg/kg)*

HERC11-B - *Analytes exceeding the reference standard or level: none*

HERC12-B - *Analytes exceeding the reference standard or level: naphthalene (3.9 mg/kg)*

HERC13-B - *Analytes exceeding the reference standard or level: naphthalene (5.2 mg/kg)*

Metals (Tables 7 and 8)

Twenty-two metals were detected in the thirteen samples (**Table 7**). Seventeen of the metals were detected in all of the samples. Arsenic was detected in samples HERC04-B, HERC05-A, HERC10B and HERC13-B at levels that exceeded both the MDEQ and EPA regulatory levels with values ranging from 5.0 to 6.4 mg/kg. None of the samples exceeded the MDEQ and EPA regulatory levels for Chromium III; however, all of the samples exceeded the EPA regulatory level of 0.29 mg/kg for Chromium VI with values ranging from 7.7 to 45 mg/kg. Vanadium was detected in samples HERC03-B, HERC04-B, HERC05-A, HERC08, HERC09-B, HERC10-B, HERC11-B, HERC12-B and HERC13-B at levels that exceeded the EPA regulatory level of 5.5 mg/kg with values ranging from 5.6 to 18 mg/kg. No other metal concentrations exceeded the MDEQ and EPA regulatory levels. None of the metals failed TCLP for the thirteen samples. Analytical data was compared to the MDEQ and EPA regulatory levels referenced in **Table 8**. Exceedences are listed below:

HERC01-A - *Analytes exceeding the reference standard or level: chromium VI (24 mg/kg)*

HERC02-B - *Analytes exceeding the reference standard or level: chromium VI (11 mg/kg)*

HERC03-B - *Analytes exceeding the reference standard or level:* chromium VI (7.7mg/kg), vanadium (8.7 mg/kg)

HERC04-B - *Analytes exceeding the reference standard or level:* arsenic (6.4 mg/kg), chromium VI (29 mg/kg), vanadium (5.6 mg/kg)

HERC05-A - *Analytes exceeding the reference standard or level:* arsenic (5.6 mg/kg), chromium VI (45 mg/kg), vanadium (6.6 mg/kg)

HERC06-B - *Analytes exceeding the reference standard or level:* chromium VI (20 J,O mg/kg)

HERC07-B - *Analytes exceeding the reference standard or level:* chromium VI (32 mg/kg)

HERC08 - *Analytes exceeding the reference standard or level:* chromium VI (20 mg/kg), vanadium (18 mg/kg)

HERC09-B - *Analytes exceeding the reference standard or level:* chromium VI (20 mg/kg), vanadium (5.9 mg/kg)

HERC10-B - *Analytes exceeding the reference standard or level:* arsenic (5.0 mg/kg), chromium VI (26 mg/kg), vanadium (7.6 mg/kg)

HERC11-B - *Analytes exceeding the reference standard or level:* chromium VI (25 mg/kg), vanadium (7.2 mg/kg)

HERC12-B - *Analytes exceeding the reference standard or level:* chromium VI (18 mg/kg), vanadium (7.5 mg/kg)

HERC13-B - *Analytes exceeding the reference standard or level:* arsenic (5.6 mg/kg), chromium VI (36 mg/kg), vanadium (9.0 mg/kg)

VI. RESULTS OF FIELD QUALITY CONTROL SAMPLES

Field quality control samples for this investigation consisted of equipment rinse blanks collected from the liners used for the Geoprobe cores. No VOCs, SVOCs or metals were detected in the blanks. No metals were detected in the blank of the preservative used for the equipment rinse blank for metals analysis.

VII. METHODOLOGY

Field activities were conducted in accordance with the Region 4 SESD *Field Branches Quality System and Technical Procedures*. Specific field procedures applicable to this investigation included the following:

Soil Sampling, SESDPROC-300-R1
Waste Sampling SESDPROC-302-R1

Sediment Sampling, SESDPROC-200-R2
SESD Operating Procedure for Sample and Evidence Management, SESDPROC-005-R1
Global Positioning System, SESDPROC-110-R2
Management of Investigation Derived Waste, SESDPROC-202-R1
Field Equipment Cleaning and Decontamination, SESDPROC-205-R1
Packing, Marking, Labeling and Shipping of Environmental & Waste Samples,
SESDPROC-209-R1

Field quality control measures were in accordance with the *SESD Operating Procedure for Field Sampling Quality Control*, SESDPROC-011-R2, and *40 CFR Part 136, Table II-Required Containers, Preservations Techniques, and Holding Times*, Revised as of July 1, 2007. All field measurement instruments and equipment were maintained in accordance with the *SESD Operating Procedure for Equipment Inventory and Management*, SESDPROC-108-R3.

Samples were analyzed at the SESD laboratory in accordance with the *SESD Analytical Support Branch Laboratory Operations and Quality Assurance Manual*, January 2010. The laboratory is accredited by the national Environmental Laboratory Accreditation Program (NELAP).

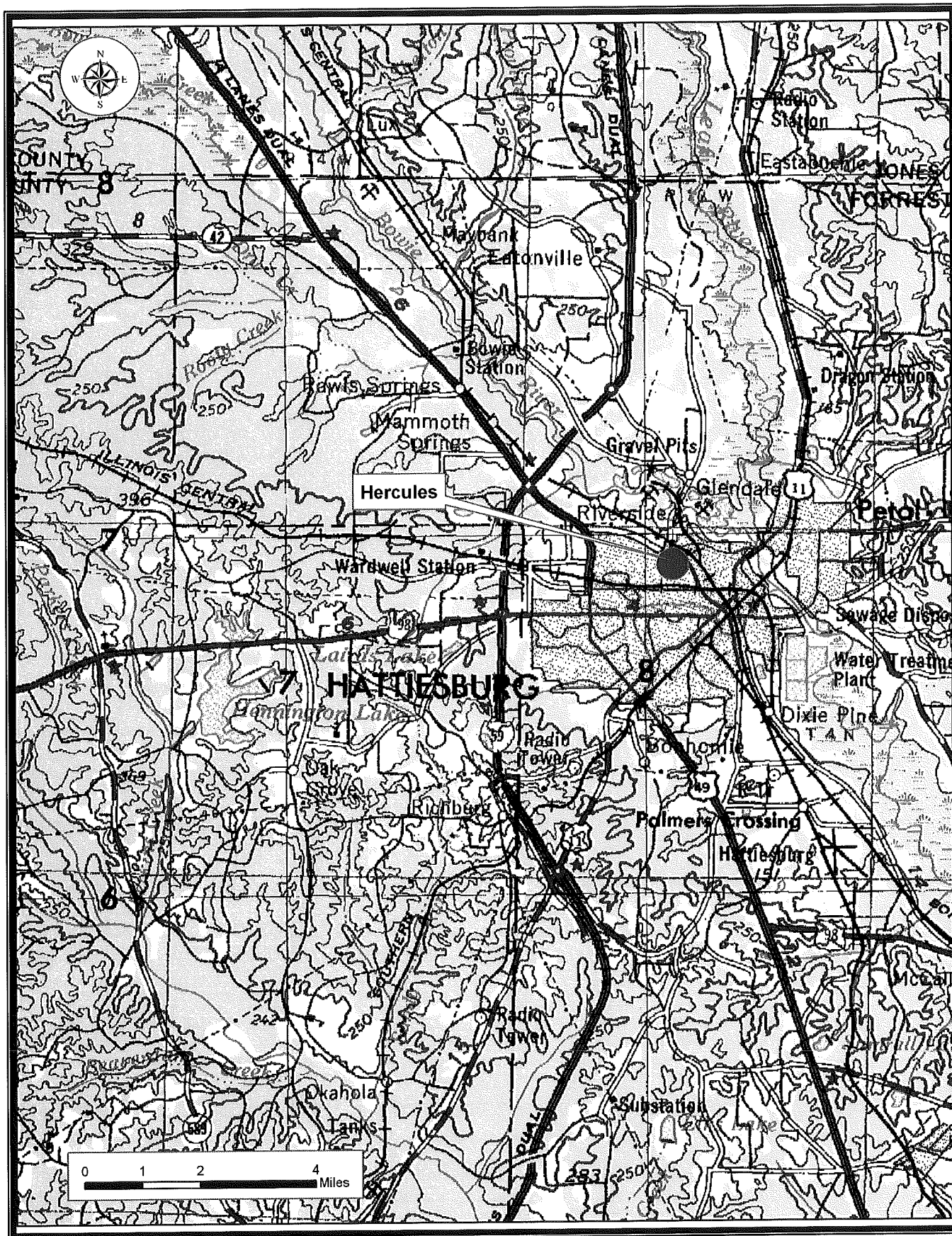
REFERENCES

Personnel communication: Kevin Koporec to Sharon Matthews regarding RSLs, 1/19/11

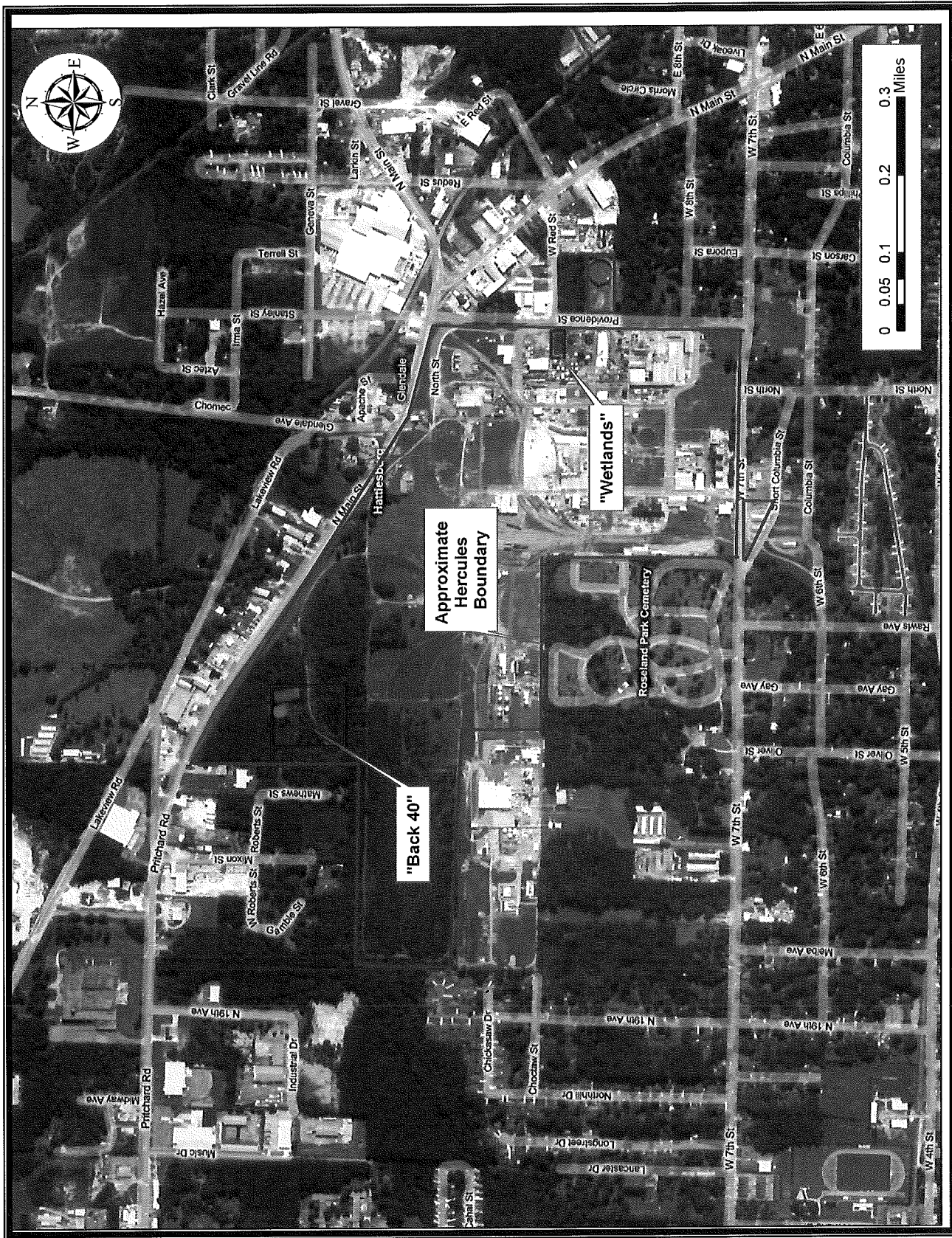
“Site Inspection” for Hercules Inc. prepared by B&V Waste Science and Technology Corp. for the US EPA Region 4. April, 1993.

USEPA Regional Screening Levels (11/10)

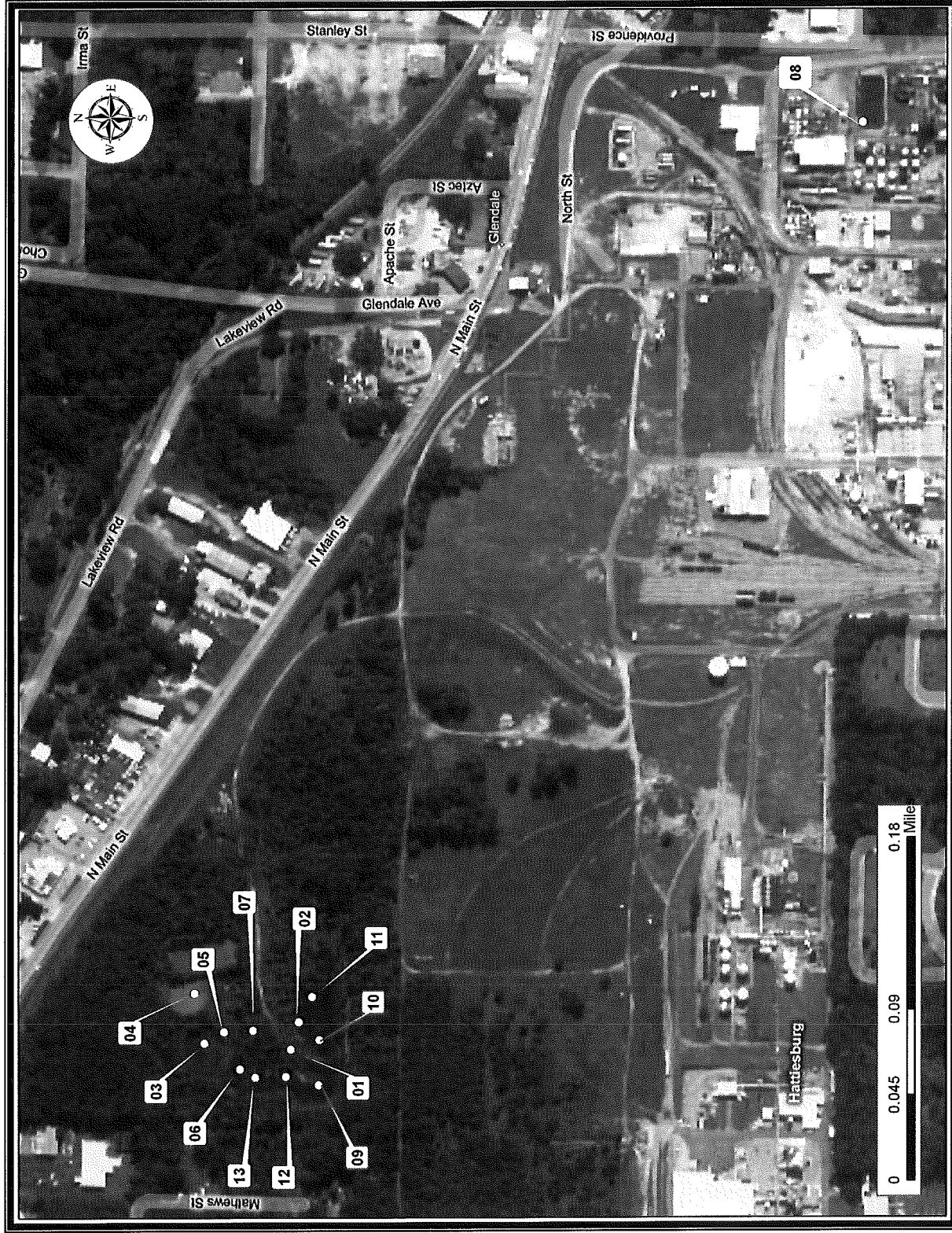
Mississippi Department of Environmental Quality Tier 1 TRG Table (2/28/02)



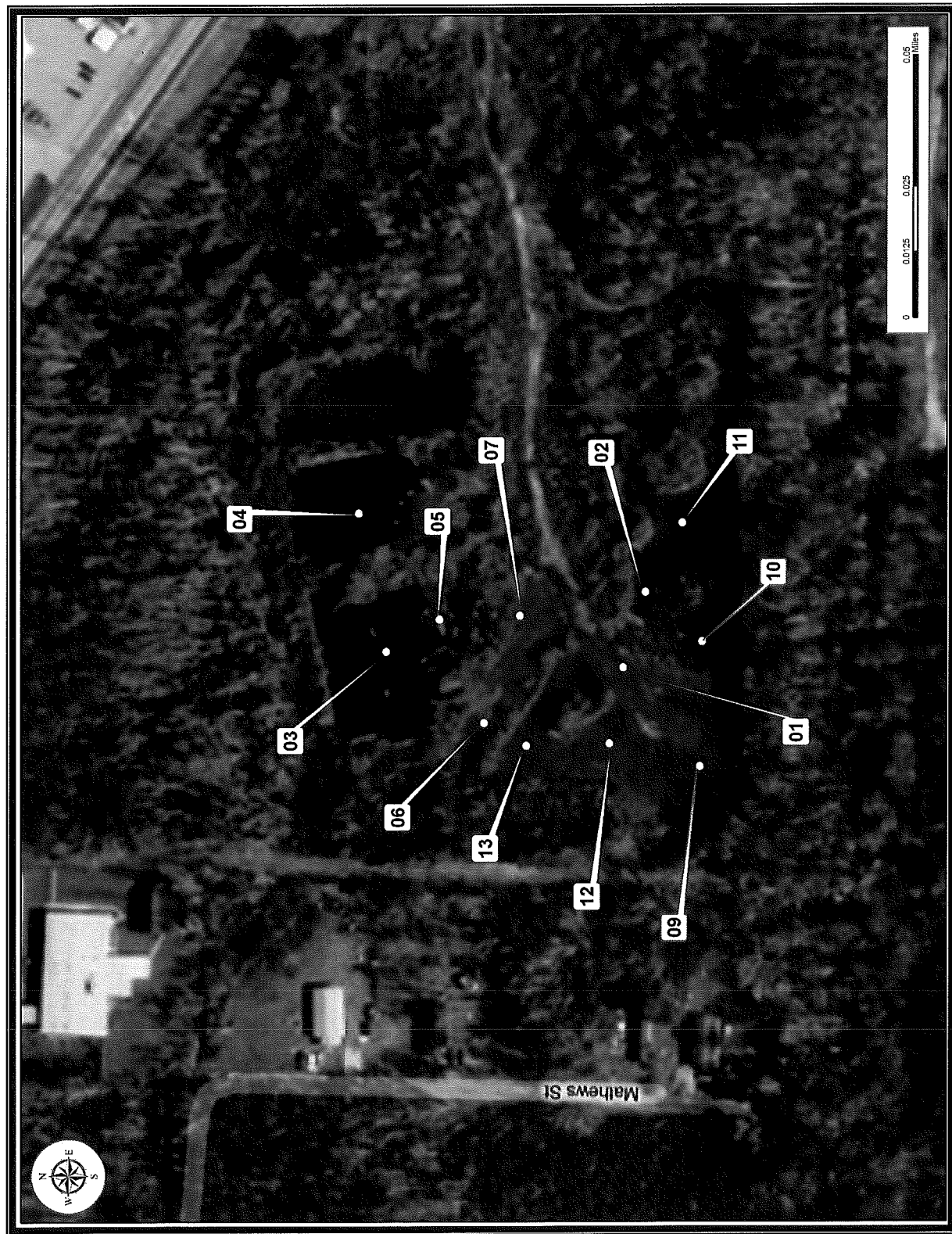
**FIGURE 1 – FACILITY LOCATION MAP
HERCULES, INC.
HATTIESBURG, MISSISSIPPI**



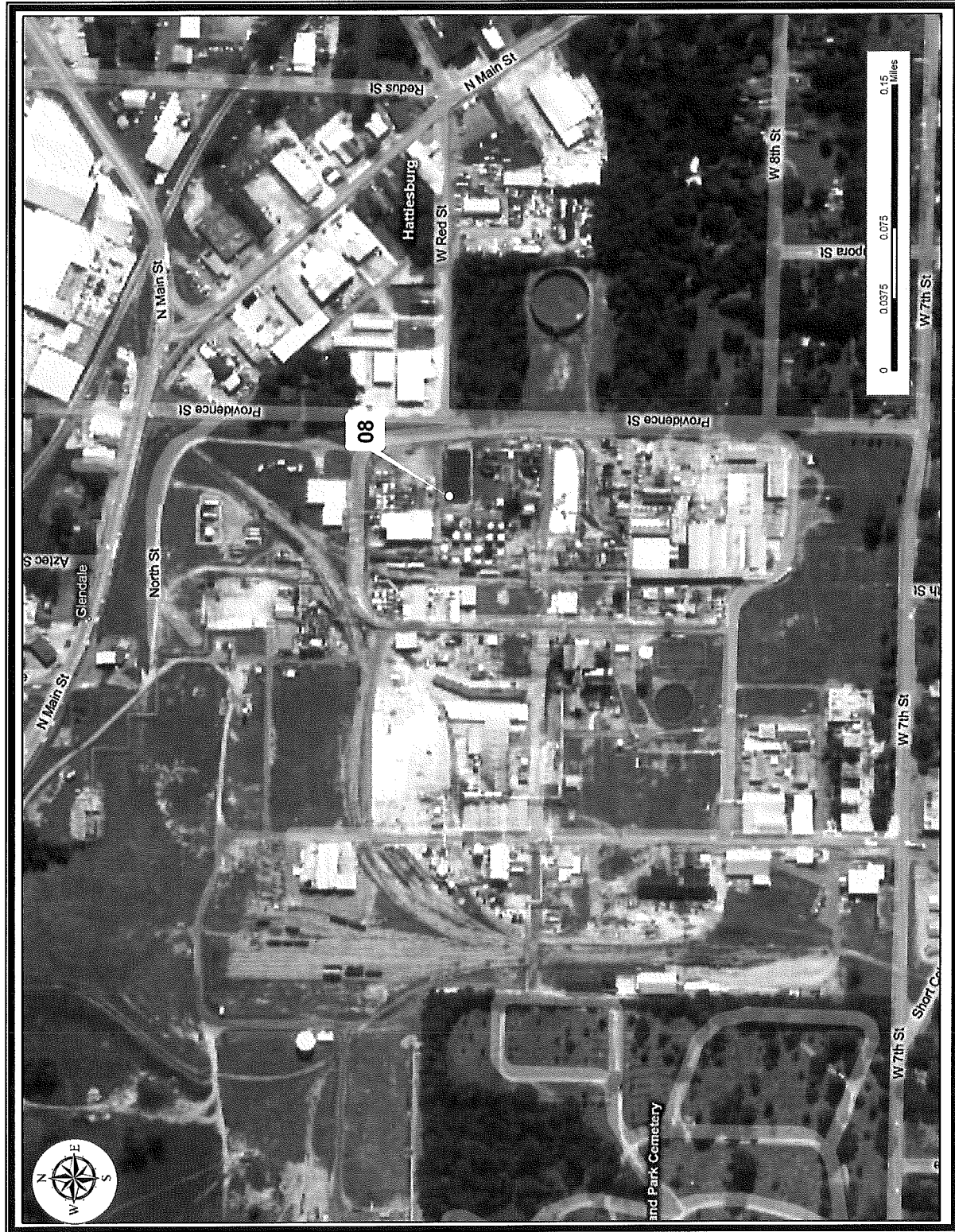
**FIGURE 2 –SITE LOCATION MAP
HERCULES, INC., HATTIESBURG, MISSISSIPPI**



**FIGURE 3 – SAMPLE LOCATIONS
HERCULES, INC., HATTIESBURG, MISSISSIPPI**



**FIGURE 4 – “BACK 40” SAMPLE LOCATIONS – Expanded view
HERCULES, INC., HATTIESBURG, MISSISSIPPI**



**FIGURE 5 – “WETLANDS” SAMPLE LOCATION – Expanded view
HERCULES, INC., HATTIESBURG, MISSISSIPPI**

TABLE 1
SAMPLE DESCRIPTIONS
HERCULES INC. – HATTIESBURG, MISSISSIPPI

Station ID	Sample ID	Media Code	Sample Date	Latitude	Longitude	Sample Description	Sample Interval (BLS)/ Sample Method
HERC01	HERC01-A	WA	9/28/10	31.34350	89.31332 ±10'	Black organic rich material; very strong odor; pine smell	0 to 4 feet - Geoprobe
HERC02	HERC02-B	WA	9/28/10	31.34344	89.31308 ±13'	Tan to black sticky material	3.5 to 5 feet – hand auger
HERC03	HERC03-B	WA	9/28/10	31.34417	89.31328 ±16'	Oldest material in “back 40”: black organic material; strong odor; sandier at depth	4 to 5 feet – hand auger
HERC04	HERC04-B	WA	9/28/10	31.34425	89.31284 ±15'	Back organic material; some odor	6 to 7 feet – hand auger
HERC05	HERC05-A	WA	9/28/10	31.34402	89.31318 ±11'	Dark organic sludge; strong odor	5.5 to 6.5 feet – hand auger
HERC06	HERC06-B	WA	9/28/10	31.34389	89.31351 ±12'	Drier material; dark gray to black sludge; strong odor; moister & sandier w/depth	4.5 to 5.5 feet – hand auger
HERC07	HERC07-B	WA	9/28/10	31.34380	89.31316 ±10'	Drier dark organic material; moister w/depth	5.5 to 6 feet – hand auger
HERC08	HERC08	WA	9/29/10	31.33928	89.30500 ±12'	Only “wetland” sample; mostly cat-tails, some sludgy material; no odor	3 to 4 inches - scoop
HERC09	HERC09-B	WA	9/29/10	31.34329	89.31363 ±16'	Black sludge material into sand at 6 feet BLS	5 to 6 feet – tried Geoprobe; had to hand-auger to get enough sample
HERC10	HERC10-B	WA	9/29/10	31.34329	89.31323 ±12'	Hit sand at 6 feet bls; some odor	5 to 6 feet – hand auger
HERC11	HERC11-B	WA	9/29/10	31.34335	89.31285 ±12'	Black organic sludge; some odor; into sand at 6 feet BLS	5 to 6 feet – hand auger
HERC12	HERC12-B	WA	9/29/10	31.34354	89.31357 ±11'	Black sludge; some odor; into sand at 5.5 feet BLS	4.5 to 5.5 feet – hand auger
HERC13	HERC13-B	WA	9/29/10	31.34377	89.31358 ±10'	Black sludge material; strong odor, oily sheen; into sand at 5.5 feet BLS	4.5 to 5.5 feet – hand auger

TABLE 2
Detected Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID	HERC01	HERC02	HERC03	HERC04	HERC05	HERC06
	Sample ID Media Code Sample Date	HERC01-A WA 9/28/10	HERC02-B WA 9/28/10	HERC03-B WA 9/28/10	HERC04-B WA 9/28/10	HERC05-A WA 9/28/10	HERC06-B WA 9/28/10
Units							
(m- and/or p-)Xylene	mg/kg	5.1 J,O	U	0.76 J,O	5.8 J,O	4.6 J,O	U
1,2,4-Trimethylbenzene	mg/kg	3.9 J,O	7.0 J,O	2.1	4.6 J,O	4.0 J,O	0.40 J,O
1,2-Dichlorobenzene	mg/kg	U	U	U	25	6.3 J,O	U
Benzene	mg/kg	18	37	3.4	19	14	U
Carbon disulfide	mg/kg	5.3 J,O	U	U	5.6 J,O	3.6 J,O	0.42 J,O
Cyclohexane	mg/kg	110	190	U	910	420	U
Ethyl Benzene	mg/kg	2.4 J,O	6.5 J,O	0.62 J,O	2.2 J,O	2.6 J,O	U
Isopropylbenzene	mg/kg	U	U	U	U	U	U
Methyl Acetate	mg/kg	U	U	0.72 J,O	U	U	U
Methyl Isobutyl Ketone	mg/kg	U	U	U	U	4.6 J,O	U
Methylcyclohexane	mg/kg	6.9 J,O	17 J,O	8.6	20	22	0.24 J,O
n- Butylbenzene	mg/kg	U	U	1.2	U	U	U
o-Xylene	mg/kg	U	U	0.5 J,O	U	U	U
p-Isopropyltoluene	mg/kg	1100	1700	420	3500	3500	38
tert-Butylbenzene	mg/kg	U	U	1.4	U	U	U
Toluene	mg/kg	7100	16000	0.82 J,O	3000	5300	280
Dimethyloctane (TIC)	mg/kg	U	U	40 NJ	U	U	U
Ethylmethylcyclohexane (TIC)	mg/kg	U	U	20 NJ	U	U	U

Numbers in **BOLD** exceed the USEPA Regional Screening Levels (11/10) and/or values in the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

NJ = Presumptive evidence that analyte is present; reported as a tentative identification (TIC) with an estimated value.

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B of this report

U= the analyte was not detected at or above the reporting limit

TABLE 2 (con't)
Detected Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC07 HERC07-B WA 9/28/10	HERC08 HERC08 WA 9/29/10	HERC09 HERC09-B WA 9/29/10	HERC10 HERC10-B WA 9/29/10	HERC11 HERC11-B WA 9/29/10	HERC12 HERC12-B WA 9/29/10	HERC13 HERC13-B WA 9/29/10
	Units							
(m- and/or p-)Xylene	mg/kg	2.9	U	3.2	U	U	U	U
1,2,4-Trimethylbenzene	mg/kg	1.3 J,O	U	3.0	7.0 J,O	U	5.0 J,O	5.5 J,O
1,2-Dichlorobenzene	mg/kg	U	U	U	34	U	U	31
Benzene	mg/kg	U	U	170	140	77	440	390
Carbon disulfide	mg/kg	0.78 J,O	U	U	U	U	U	U
Cyclohexane	mg/kg	U	U	29	1500	100	48	870
Ethyl Benzene	mg/kg	0.92 J,O	U	1.0 J,O	4.0 J,O	U	U	U
Isopropylbenzene	mg/kg	U	U	U	U	U	47	U
Methyl Acetate	mg/kg	U	U	U	U	U	U	U
Methyl Isobutyl Ketone	mg/kg	U	U	U	U	U	U	11 J,O
Methylcyclohexane	mg/kg	U	U	8.2	12 J,O	7.4 J,O	11 J,O	10 J,O
n- Butylbenzene	mg/kg	U	U	U	U	U	U	U
o-Xylene	mg/kg	0.73 J,O	U	1.0 J,O	U	U	U	U
p-Isopropyltoluene	mg/kg	170	2.6	610	3400	720	2400	3100
tert-Butylbenzene	mg/kg	U	U	U	U	U	U	U
Toluene	mg/kg	1400	34	1100	3100	2600	160	3400
Dimethyloctane (TIC)	mg/kg	U	U	U	U	U	U	U
Ethylmethylcyclohexane (TIC)	mg/kg	U	U	U	U	U	U	U

Numbers in **BOLD** exceed the USEPA Regional Screening Levels (11/10) and/or values in the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

NJ = Presumptive evidence that analyte is present; reported as a tentative identification (TIC) with an estimated value.

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B of this report

U= the analyte was not detected at or above the reporting limit

TABLE 3
Volatile Organic Compounds – TCLP Results
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID		HERC01	HERC02	HERC03	HERC04	HERC05	HERC06
	Sample ID	Sample ID	HERC01-A	HERC02-B	HERC03-B	HERC04-B	HERC05-A	HERC06-B
	Media Code	Media Code	WA	WA	WA	WA	WA	WA
	Sample Date	Sample Date	9/28/10	9/28/10	9/28/10	9/28/10	9/28/10	9/28/10
	Units							
Benzene	mg/L	0.21	0.62 J,O	NA-5	0.22	0.23	NA-5	

Station ID		HERC07	HERC08	HERC09	HERC10	HERC11	HERC12	HERC13
Sample ID		HERC07-B	HERC08	HERC09-B	HERC10-B	HERC11-B	HERC12-B	HERC13-B
Media Code		WA	WA	WA	WA	WA	WA	WA
Sample Date		9/28/10	9/29/10	9/29/10	9/29/10	9/29/10	9/29/10	9/29/10
Analyte	Units							
Benzene	mg/L	NA-5	NA-5	1.8	2.2	0.54 J.O	1.8	3.6

Numbers in **BOLD** exceed the EPA Regulatory Level of 0.5 mg/L for benzene.

TABLE 4
EPA and MDEQ Regulatory Levels for Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Units	MDEQ Tier 1 TRG		MDEQ Tier 1 TRG		EPA RSLs	
		Soil	mg/kg	Soil	mg/kg	Soil	mg/kg
(m- and/or p-)Xylene	mg/kg	m = 418; p = 461		Unrestricted - mg/kg		Residential - mg/kg	
1,2,4-Trimethylbenzene	mg/kg	102000		m = 418; p = 461		3400	
1,2-Dichlorobenzene	mg/kg	279		3910		62	
Benzene	mg/kg	1.36		279		1900	
Carbon disulfide	mg/kg	7.97		0.887		1.1	
Cyclohexane	mg/kg	NS		7.97		820	
Ethyl Benzene	mg/kg	395		NS		7000	
Isopropylbenzene (AKA cumene)	mg/kg	9.43		395		5.4	
Methyl Acetate	mg/kg	2040000		9.43		2100	
Methyl Isobutyl Ketone	mg/kg	163000		78200		78000	
Methylcyclohexane	mg/kg	NS		6260		5300	
n- Butylbenzene	mg/kg	81800		NS		NS	
o-Xylene	mg/kg	413		3130		NS	
p-Isopropyltoluene	mg/kg	NS		413		3800	
tert-Butylbenzene	mg/kg	81800		NS		NS	
Toluene	mg/kg	38		3130		NS	
Dimethyloctane (TIC)	mg/kg	NS		38		5000	
Ethylmethylcyclohexane (TIC)	mg/kg	NS		NS		NS	
	mg/kg	NS		NS		NS	

Regulatory levels are taken from the USEPA Regional Screening Levels (1/1/10) and the MDEQ Tier 1 TRG Table (2/28/02)
NS = No Regulatory Standard/Level

TABLE 5
Detected Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC01 HERC01-A WA 9/28/10	HERC02 HERC02-B WA 9/28/10	HERC03 HERC03-B WA 9/28/10	HERC04 HERC04-B WA 9/28/10	HERC05 HERC05-A WA 9/28/10	HERC06 HERC06-B WA 9/28/10	HERC07 HERC07-B WA 9/28/10
	Units							
(3-and/or 4-)Methylphenol	mg/kg	20 J,O	50	U	53	100	U	78
1,1-Biphenyl	mg/kg	1600	3900	130	1800	1200	120	330
2,4-Dimethylphenol	mg/kg	U	U	U	6.0 J,O	U	U	U
2-Methylnaphthalene	mg/kg	4.6	5.6	U	8.4	14	U	U
2-Methylphenol	mg/kg	7.8 J,O	4.7 J,O	U	4.3 J,O	4.9 J,O	U	17 J,O
Acenaphthene	mg/kg	U	2.9	U	3.8	2.8	U	U
Dibenzofuran	mg/kg	U	4.1	U	3.0	U	U	U
Fluoranthene	mg/kg	11 J,O	9.8	U	U	11	U	U
Fluorene	mg/kg	3.0	3.4	U	2.7	U	U	U
Naphthalene	mg/kg	6.2	8.8	U	7.8	8.7	U	U
Phenanthrene	mg/kg	U	5.5 J,O	U	3.0 J,N	U	U	U
Phenol	mg/kg	5.3 J,O	5.4 J,O	8.9 J,O	71	31	U	U
Pyrene	mg/kg	16	U	U	3.6	5.7	U	U
(Dimethylethyl)ethoxybenzene (TIC)	mg/kg	100 NJ	300 JN	U	U	U	U	U
(Dimethylethyl)methylphenol (TIC)	mg/kg	U	U	U	U	U	U	U
(Menthenol)terpineol (TIC)	mg/kg	90 NJ	60 NJ	U	300 NJ	300 NJ	U	U
(Methylpropyl)benzene (TIC)	mg/kg	U	U	U	U	U	U	U
Bis(methylethyl)biphenyl (TIC)	mg/kg	U	U	U	U	U	U	U
Camphene (TIC)	mg/kg	200 NJ	200 NJ	U	300 NJ	200 NJ	U	U
Camphor (TIC)	mg/kg	U	U	U	200 NJ	U	U	U
Chlorotrimethylbicycloheptane (TIC)	mg/kg	U	U	U	100 NJ	100 NJ	U	U
Cycloisolongifolene (TIC)	mg/kg	80 NJ	80 NJ	U	U	200 NJ	U	U
Decahydrotrimethylmethylenemethanoazulene (TIC)	mg/kg	U	U	U	U	400 NJ	U	U
Dimethylisopropylphenanthrene (TIC)	mg/kg	U	U	200 NJ	200 NJ	100 NJ	200 NJ	200 NJ
Diphenyl ether (TIC)	mg/kg	1000 NJ	U	800 NJ	U	U	200 NJ	600 NJ
Ethyl(methylethyl)benzene (TIC)	mg/kg	60 NJ	70 NJ	U	U	U	U	U

TABLE 5 (con't)
Detected Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID	HERC01	HERC02	HERC03	HERC04	HERC05	HERC06	HERC07
Sample ID	HERC01-A	HERC02-B	HERC03-B	HERC04-B	HERC05-A	HERC06-B	HERC07-B	
Media Code	WA	WA	WA	WA	WA	WA	WA	
Sample Date	9/28/10	9/28/10	9/28/10	9/28/10	9/28/10	9/28/10	9/28/10	
Units								
Hexahydrodimethyl(methylethyl)naphthalene (TIC)	U	U	U	U	400 NJ	U	U	U
Hexahydrodrotetramethylmethanonaphthalene (TIC)	1000 NJ	U	600 NJ	1000 NJ	U	2000 NJ	1000 NJ	
Limonene (TIC)	300 NJ	U	U	U	U	U	U	
Methyl(methylethyl)benzene (TIC)	2000 NJ	3000 NJ	300 NJ	U	U	U	U	
Methyl(methylethyl)cyclohexane (TIC)	800 NJ	600 NJ	2000 NJ	U	U	U	U	
Methyl(methylethyl)cyclohexene (TIC)	U	U	U	U	U	U	U	
Methyl(methylethyl)phenanthrene (TIC)	U	U	200 NJ	U	U	U	U	
Petroleum Product	N	N	U	N	N	N	N	
Phenanthrenecarboxylic acid (TIC)	U	U	U	U	200 NJ	U	U	
Pinene (TIC)	500 NJ	200 NJ	U	700 NJ	900 NJ	U	U	
Propylphenol (TIC)	U	50 NJ	U	200 NJ	U	U	U	
Trimethylbicycloheptane (TIC)	U	U	300 NJ	300 NJ	400 NJ	U	U	
Unidentified Compound(s)	70 J	900 J	3000 J	2000 J	700 J	6000 J	5000J	

Numbers in **BOLD** exceed one or both of the USEPA Regional Screening Levels (11/10) or the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

NJ = Presumptive evidence that analyte is present; reported as a tentative identification (TIC) with an estimated value.

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B of this report

U= the analyte was not detected at or above the reporting limit

TIC = Tentatively Identified Compound

TABLE 5 (con't)
Detected Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC08 HERC08 WA 9/29/10	HERC09 HERC09-B WA 9/29/10	HERC10 HERC10-B WA 9/29/10	HERC11 HERC11-B WA 9/29/10	HERC12 HERC12-B WA 9/29/10	HERC13 HERC13-B WA 9/29/10
	Units						
(3-and/or 4-)Methylphenol	mg/kg	U	U	U	13 J,O	3.1 J,O	18 J,O
1,1-Biphenyl	mg/kg	U	290	1600	480	500	1500
2,4-Dimethylphenol	mg/kg	U	U	U	U	U	U
2-Methylnaphthalene	mg/kg	U	2.6	4.6	2.6	3.5	4.1
2-Methylphenol	mg/kg	U	U	U	3.8 J,O	U	4.0 J,O
Acenaphthene	mg/kg	U	U	U	U	U	U
Dibenzofuran	mg/kg	U	U	U	U	U	U
Fluoranthene	mg/kg	U	6.8	U	10	9.5	7.0
Fluorene	mg/kg	U	U	U	U	U	U
Naphthalene	mg/kg	U	3.1	6.7	3.3	3.9	5.2
Phenanthrene	mg/kg	U	3.1 J,O	U	5.0 J,O	U	U
Phenol	mg/kg	U	7.2 J,O	18 J,O	6.2 J,O	15 J,O	28
Pyrene	mg/kg	U	3.5	3.4	4.8	U	3.1
(Dimethylethyl)ethoxybenzene (TIC)	mg/kg	U	U	U	U	U	U
(Dimethylethyl)methylphenol (TIC)	mg/kg	U	100 NJ	U	200 NJ	U	U
(Menthenol)terpineol (TIC)	mg/kg	U	U	200 NJ	U	U	400 NJ
(Methylpropyl)benzene (TIC)	mg/kg	U	U	90 NJ	U	U	U
Bis(methylethyl)biphenyl (TIC)	mg/kg	70 NJ	U	U	U	U	U
Camphene (TIC)	mg/kg	U	100 NJ	1000 NJ	100 NJ	200 NJ	1000 NJ
Camphor (TIC)	mg/kg	U	U	U	U	U	U
Chlorotrimethylbicycloheptane (TIC)	mg/kg	U	U	U	U	U	U
Cycloisolongifolene (TIC)	mg/kg	U	U	U	U	U	U
Decahydrotrimethylmethylenemethanoazulene (TIC)	mg/kg	U	300 NJ	U	U	U	U
Dimethylisopropylphenanthrene (TIC)	mg/kg	400 NJ	400 NJ	U	200 NJ	300 NJ	200 NJ
Diphenyl ether (TIC)	mg/kg	U	1000 NJ	200 NJ	U	2000 NJ	5000 NJ
Ethyl(methylethyl)benzene (TIC)	mg/kg	U	U	U	U	U	U

TABLE 5 (con't)
Detected Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC08 HERC08 WA 9/29/10	HERC09 HERC09-B WA 9/29/10	HERC10 HERC10-B WA 9/29/10	HERC11 HERC11-B WA 9/29/10	HERC12 HERC12-B WA 9/29/10	HERC13 HERC13-B WA 9/29/10
	Units						
Hexahydrodimethyl(methylethyl)naphthalene (TIC)	mg/kg	U	U	U	U	U	U
Hexahydrodrotetramethylmethanonaphthalene (TIC)	mg/kg	200 NJ	2000 NJ	U	1000 NJ	500 NJ	1000 NJ
Limonene (TIC)	mg/kg	U	U	U	U	U	U
Menthene (TIC)	mg/kg	U	600 NJ	U	100 NJ	U	U
Methyl(methylethyl)benzene (TIC)	mg/kg	U	700 NJ	7000 NJ	700 NJ	3000 NJ	7000 NJ
Methyl(methylethyl)cyclohexane (TIC)	mg/kg	U	1000 NJ	4000 NJ	2000 NJ	2000 NJ	4000 NJ
Methyl(methylethyl)cyclohexene (TIC)	mg/kg	U	100 NJ	U	U	80 NJ	200 NJ
Methyl(methylethyl)phenanthrene (TIC)	mg/kg	U	U	U	U	U	U
Petroleum Product	mg/kg	N	N	N	N	N	U
Phenanthrenecarboxylic acid (TIC)	mg/kg	U	U	U	U	U	U
Pinene (TIC)	mg/kg	U	U	2000 NJ	100 NJ	U	2000 NJ
Propylphenol (TIC)	mg/kg	U	U	200 NJ	U	300 NJ	200 NJ
Trimethylbicycloheptane (TIC)	mg/kg	U	100 NJ	200 NJ	200 NJ	200 NJ	200 NJ
Unidentified Compound(s)	mg/kg	2000 J	1000 J	2000 J	2000 J	1000 J	2000 NJ

Numbers in **BOLD** exceed one or both of the USEPA Regional Screening Levels (11/10) or the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

NJ = Presumptive evidence that analyte is present; reported as a tentative identification (TIC) with an estimated value.

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B of this report

U= the analyte was not detected at or above the reporting limit

TIC = Tentatively Identified Compound

TABLE 6
EPA and MDEQ Regulatory Levels for Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Units	MDEQ Tier 1 TRG		MDEQ Tier 1 TRG		EPA RSLs	
		Soil	Restricted - mg/kg	Soil	Unrestricted - mg/kg	Soil	Residential - mg/kg
(3-and/or 4-)Methylphenol	mg/kg		102000/10200		3910/391		7500
1,1-Biphenyl	mg/kg		10200		3910		3900
2,4-Dimethylphenol	mg/kg		40800		1560		1200
2-Methylnaphthalene	mg/kg		40900		1560		310
2-Methylphenol	mg/kg		102000		3910		3100
Acenaphthene	mg/kg		123000		4690		3400
Dibenzofuran	mg/kg		8180		313		78
Fluoranthene	mg/kg		81700		3130		2300
Fluorene	mg/kg		81700		3130		2300
Naphthalene	mg/kg		247		194		3.6
Phenanthrene	mg/kg		61300		2350		NS
Phenol	mg/kg		123000		46900		18000
Pyrene	mg/kg		61300		2350		1700
(Dimethylethyl)ethoxybenzene (TIC)	mg/kg		NS		NS		NS
(Dimethylethyl)methylphenol (TIC)	mg/kg		NS		NS		NS
(Menthenol)terpineol (TIC)	mg/kg		NS		NS		NS
(Methylpropyl)benzene (TIC)	mg/kg		NS		NS		NS
Bis(methylethyl)biphenyl (TIC)	mg/kg		NS		NS		NS
Camphene (TIC)	mg/kg		NS		NS		NS
Camphor (TIC)	mg/kg		NS		NS		NS
Chlorotrimethylbicycloheptane (TIC)	mg/kg		NS		NS		NS
Cycloisolongifolene (TIC)	mg/kg		NS		NS		NS
Decahydrotrimethylmethylenemethanoazulene (TIC)	mg/kg		NS		NS		NS
Dimethylisopropylphenanthrene (TIC)	mg/kg		NS		NS		NS
Diphenyl ether (TIC)	mg/kg		NS		NS		NS
Ethyl(methylethyl)benzene (TIC)	mg/kg		NS		NS		NS
Hexahydrodimethyl(methylethyl)naphthalene (TIC)	mg/kg		NS		NS		NS

NS = No Regulatory Standard/Level

TIC = Tentatively Identified Compound

TABLE 6 (con't)
EPA and MDEQ Regulatory Levels for Semi Volatile Organic Compounds
Hercules Inc., Hattiesburg, Mississippi

Analyte	Units	MDEQ Tier 1 TRG		MDEQ Tier 1 TRG		EPA RSLs
		Soil		Soil		
Hexahydro-tetramethylmethanonaphthalene (TIC)	mg/kg	NS		NS		NS
Limonene (TIC)	mg/kg	NS		NS		NS
Menthene (TIC)	mg/kg	NS		NS		NS
Methyl(methylethyl)benzene (TIC)	mg/kg	NS		NS		NS
Methyl(methylethyl)cyclohexane (TIC)	mg/kg	NS		NS		NS
Methyl(methylethyl)cyclohexene (TIC)	mg/kg	NS		NS		NS
Methyl(methylethyl)phenanthrene (TIC)	mg/kg	NS		NS		NS
Petroleum Product	mg/kg	NS		NS		NS
Phenanthrenecarboxylic acid (TIC)	mg/kg	NS		NS		NS
Pinene (TIC)	mg/kg	NS		NS		NS
Propylphenol (TIC)	mg/kg	NS		NS		NS
Trimethylbicycloheptane (TIC)	mg/kg	NS		NS		NS
Unidentified Compound(s)	mg/kg	NS		NS		NS

NS = No Regulatory Standard/Level

TIC = Tentatively Identified Compound

TABLE 7 - Metals Data
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC01 HERC01-A WA 9/28/10	HERC02 HERC02-B WA 9/28/10	HERC03 HERC03-B WA 9/28/10	HERC04 HERC04-B WA 9/28/10	HERC05 HERC05-A WA 9/28/10	HERC06 HERC06-B WA 9/28/10	HERC07 HERC07-B WA 9/28/10
	Units							
Aluminum	mg/kg	6600	4900	5700	5200	5100	5800	6700
Antimony	mg/kg	U	U	U	U	U	U	U
Arsenic	mg/kg	U	U	U	6.4	5.6	U	U
Barium	mg/kg	18	18	21	27	35	100 J,O	23
Beryllium	mg/kg	U	U	U	U	U	U	U
Cadmium	mg/kg	U	U	U	0.46	0.49	U	0.48
Calcium	mg/kg	75 J,O	58	210	400	2000	5000	710
Chromium	mg/kg	24	11	7.7	29	45	20 J,O	32
Cobalt	mg/kg	7.9	14	2.9	14	17	7.2	9.5
Copper	mg/kg	69 J,O	44	29	100	84	27 J,O	26
Iron	mg/kg	1200 J,O	1600	4300	3400	4600	4000 J,O	5200
Lead	mg/kg	23	60	9.1	26	34	22	23
Magnesium	mg/kg	65	45	230	76	170	440 J,O	62
Manganese	mg/kg	4.6	3.8	31	14	32	200 J,O	37
Molybdenum	mg/kg	8.0	3.1	U	4.0	4.8	21 J,O	40
Nickel	mg/kg	71 J,O	120	80	200	210	54 J,O	44
Potassium	mg/kg	U	U	180	96	110	160	U
Selenium	mg/kg	U	U	U	U	U	U	U
Silver	mg/kg	U	U	U	U	U	U	U
Sodium	mg/kg	170 J,O	150 J,O	U	130 J,O	460 J,O	180 J,O	130 J,O
Strontium	mg/kg	2.1	1.6	2.1	6.1	8.9	34 J,O	8.9
Thallium	mg/kg	U	U	U	U	U	U	U
Titanium	mg/kg	32	17	62	42	51	56 J,O	22
Vanadium	mg/kg	4.3	2.1	8.7	5.6	6.6	3.9	2.8
Yttrium	mg/kg	0.58	0.57	1.2	0.99	1.1	1.9	1.7
Zinc	mg/kg	270 J,O	120	68	510	690	500 J,O	650

Numbers in **BOLD** exceed one or both of the USEPA Regional Screening Levels (11/10) or the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B

U= the analyte was not detected at or above the reporting limit

TABLE 7 - Metals Data (con't)
Hercules Inc., Hattiesburg, Mississippi

Analyte	Station ID Sample ID Media Code Sample Date	HERC08 HERC08 WA 9/29/10	HERC09 HERC09-B WA 9/29/10	HERC10 HERC10-B WA 9/29/10	HERC11 HERC11-B WA 9/29/10	HERC12 HERC12-B WA 9/29/10	HERC13 HERC13-B WA 9/29/10
Units	Units						
Aluminum	mg/kg	7900	7100	6400	7000	6700	6800
Antimony	mg/kg	U	U	U	U	U	U
Arsenic	mg/kg	U	U	5.0	U	U	5.6
Barium	mg/kg	61	23	33	23	30	45
Beryllium	mg/kg	U	U	U	U	U	U
Cadmium	mg/kg	U	U	U	U	U	U
Calcium	mg/kg	250	530	2800	350	1200	1700
Chromium	mg/kg	20	20	26	25	18	36
Cobalt	mg/kg	2.7	10	14	10	13	21
Copper	mg/kg	17	110	210	93	110	210
Iron	mg/kg	8300	3500	3200	1900	4700	3100
Lead	mg/kg	24	25	23	23	18	36
Magnesium	mg/kg	240	160	200	170	210	150
Manganese	mg/kg	350	39	36	14	36	15
Molybdenum	mg/kg	37	13	6.4	4.0	2.8	5.6
Nickel	mg/kg	8.2	150	340	140	270	490
Potassium	mg/kg	210	160	220	160	170	190
Selenium	mg/kg	U	U	U	U	U	U
Silver	mg/kg	U	1.0	U	U	U	U
Sodium	mg/kg	U	150 J,O	210 J,O	180 J,O	240 J,O	230 J,O
Strontium	mg/kg	2.6	4.6	7.3	4.2	8.5	8.9
Thallium	mg/kg	U	U	U	U	U	U
Titanium	mg/kg	98	46	61	52	54	76
Vanadium	mg/kg	18	5.9	7.6	7.2	7.5	9.0
Yttrium	mg/kg	2.7	2.0	1.2	1.2	1.6	1.2
Zinc	mg/kg	130	220	570	270	370	480

Numbers in **BOLD** exceed one or both of the USEPA Regional Screening Levels (11/10) or the MDEQ Tier 1 TRG Table (2/28/02)

J= the identification of the analyte is acceptable; the reported value is an estimate

O = other qualifiers have been assigned providing additional information and are defined in the analytical data sheets included as Appendix B

U= the analyte was not detected at or above the reporting limit

TABLE 8 - EPA and MDEQ Regulatory Levels for Metals
Hercules Inc., Hattiesburg, Mississippi

Analyte	Units	MDEQ- Soil		MDEQ- Soil		EPA RSLs - Soil	
		Restricted - mg/kg		Unrestricted - mg/kg		Residential - mg/kg	
Aluminum	mg/kg	2040000		78200		77000	
Antimony	mg/kg	81.7		31.3		31 (metallic)	
Arsenic	mg/kg	3.82		0.426		0.39 (inorganic)	
Barium	mg/kg	14300		5480		15000	
Beryllium	mg/kg	1020		156		160 (& compounds)	
Cadmium	mg/kg	1020		39.1		70 (diet)	
Calcium	mg/kg	NS		NS		NS	
Chromium III	mg/kg	3070000		117000		120000	
Chromium VI	mg/kg	381		227		0.29	
Cobalt	mg/kg	12300		4690		23	
Copper	mg/kg	8170		3130		3100	
Iron	mg/kg	613000		23500		55000	
Lead	mg/kg	1700		400		400 (& compounds)	
Magnesium	mg/kg	NS		NS		NS	
Manganese	mg/kg	4080		1560		1800 (non-diet)	
Molybdenum	mg/kg	1020		391		390	
Nickel	mg/kg	4080		1560		1500 (soluble salts)	
Potassium	mg/kg	NS		NS		NS	
Selenium	mg/kg	1020		391		390	
Silver	mg/kg	1020		391		390	
Sodium	mg/kg	NS		NS		NS	
Strontium (stable)	mg/kg	123000		46900		47000	
Thallium	mg/kg	143		5.48		NS	
Titanium	mg/kg	8180000		313000		NS	
Vanadium	mg/kg	1430		548		5.5 (metallic)	
Yttrium	mg/kg	NS		NS		NS	
Zinc	mg/kg	61300		23500		23000 (metallic)	

Regulatory levels are taken from the USEPA Regional Screening Levels (11/10) or the MDEQ Tier 1 TRG Table (2/28/02)
 NS = No Regulatory Standard/Level

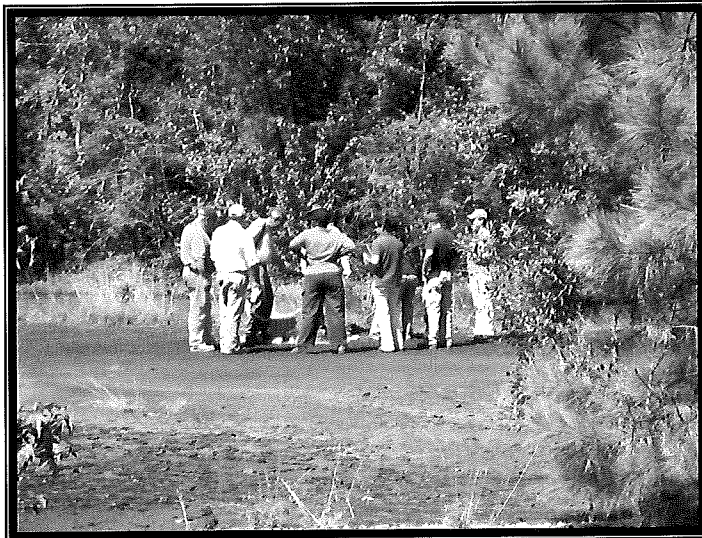
APPENDIX A

PHOTOGRAPHS OF SAMPLING ACTIVITIES

**Hercules Inc., Hattiesburg, Mississippi
SESD Project Identification Number: 10-0629**



Photograph 1
Example of waste/sludge from
the “Back 40”



Photograph 2
Assessing the HERC03-B sample
location



Photograph 3
Example of waste/ sludge from
the “Back 40”



Photograph 4
Example of waste/ sludge from
the “Back 40”



Photograph 5
Collecting sample HERC03-B



Photograph 6
Air monitoring during HERC03-B
sample collection



Photograph 7
Sample location HERC05-A



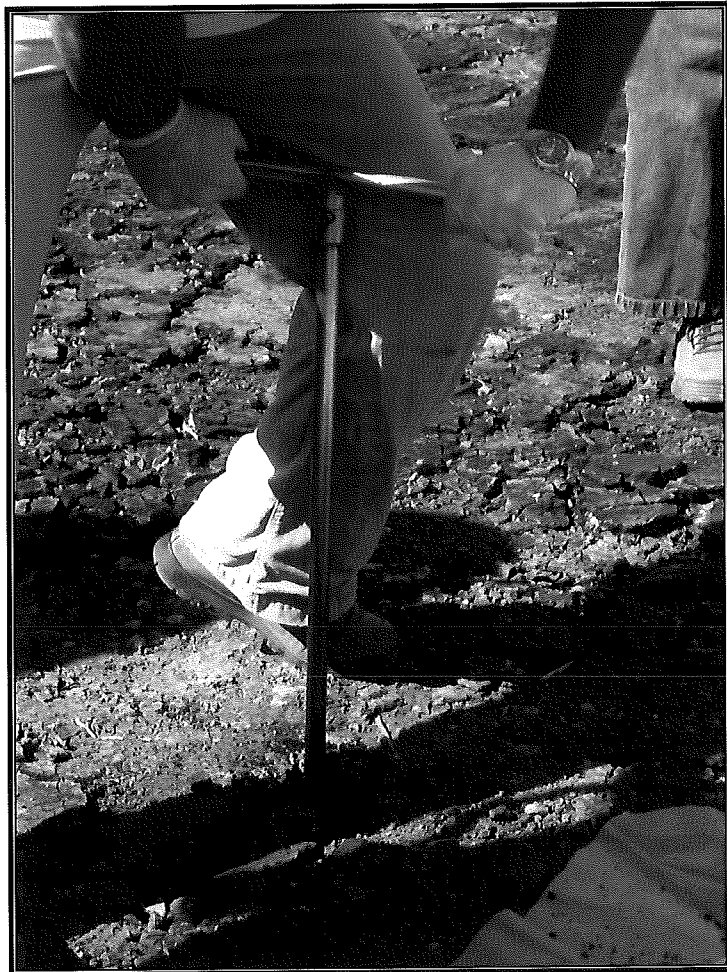
Photograph 8
Sample location HERC04-B



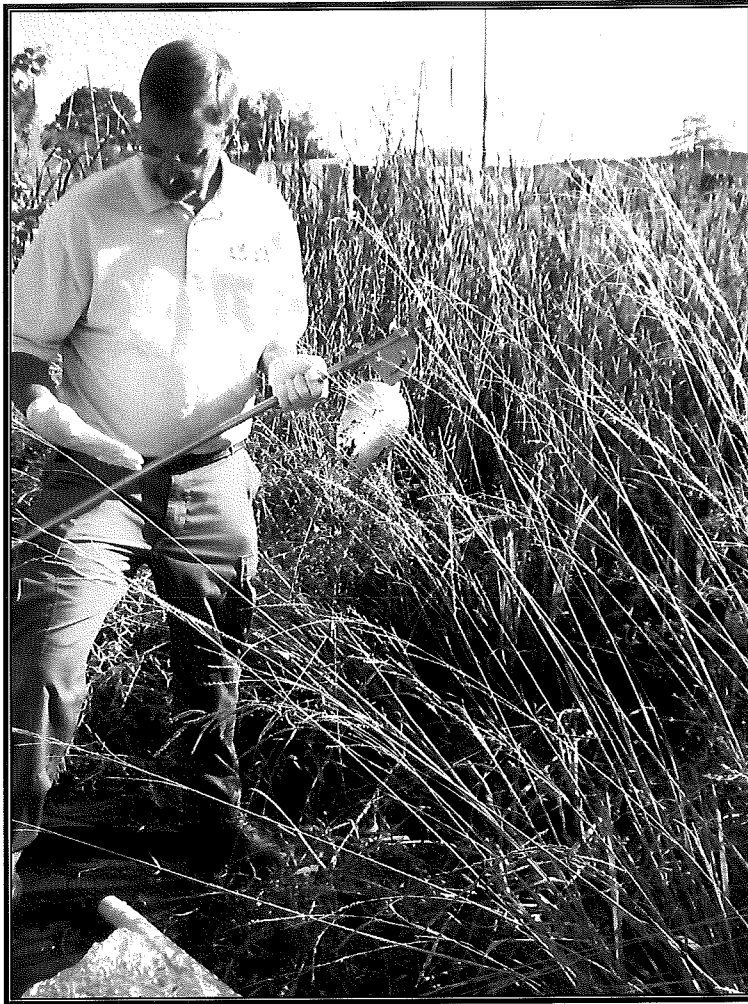
Photograph 9
Sample HERC06-B



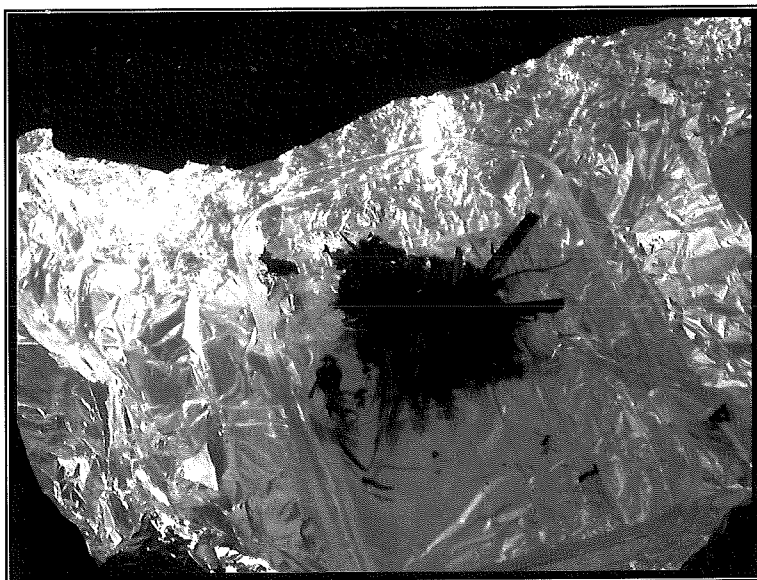
Photograph 10
Sample HERC07-B



Photograph 11
Hand augering sample HERC07-B



Photograph 12
Sampling “wetlands” to collect
HERC08



Photograph 13
Sample HERC08 – note dense root
system



Photograph 14
Sample HERC08 – note dense root system



Photograph 15
Attempting to collect another sample from
the “wetlands” - dense root system
prevented sample collection



Photograph 16
Locations for samples HERC06-B and HERC07-B



Photograph 17 – General area of sample HERC05-A



Photograph 18
General area of sample HERC04-B



Photograph 19
Coring HERC09-B using Geoprobe



Photograph 20
**Collecting sample HERC09-B with
hand auger**



Photograph 21
Collecting sample HERC11-B



Photograph 22
Collecting sample HERC11-B



Photograph 23
Collecting sample HERC12-B

APPENDIX B

SESD ANALYTICAL DATA SHEETS

Hercules Inc., Hattiesburg, Mississippi
SESD Project Identification Number: 10-0629

Semi-Volatile Organic Compounds = 59 pages – issued 11/1/10

Volatile Organic Compounds = 60 pages – issued 11/8/10

Metals = 34 pages – issued 1/4/11



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

November 1, 2010

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 10-0629, Hercules Inc
Civil Enforcement

FROM: Janet Muse
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Sharon Matthews

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

Semi Volatile Organics (SVOA)

Semivolatile organic compounds

EPA 8270D

TCLP SemiVolatiles (TCLPS)

Semivolatile organic compounds

EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

SAMPLES INCLUDED IN THIS REPORT

Project: 10-0629, Hercules Inc

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
ERB01	E104009-01	Equipment Rinse Blank	9/23/10 13:30	10/1/10 8:35
HERC01-A	E104009-03	Waste	9/28/10 10:10	10/1/10 8:35
HERC02-B	E104009-04	Waste	9/28/10 10:55	10/1/10 8:35
HERC03-B	E104009-05	Waste	9/28/10 13:15	10/1/10 8:35
HERC04-B	E104009-06	Waste	9/28/10 13:50	10/1/10 8:35
HERC05-A	E104009-07	Waste	9/28/10 14:05	10/1/10 8:35
HERC06-B	E104009-08	Waste	9/28/10 14:55	10/1/10 8:35
HERC07-B	E104009-09	Waste	9/28/10 15:25	10/1/10 8:35
HERC08	E104009-10	Waste	9/29/10 08:50	10/1/10 8:35
HERC09-B	E104009-11	Waste	9/29/10 14:20	10/1/10 8:35
HERC10-B	E104009-12	Waste	9/29/10 14:15	10/1/10 8:35
HERC11-B	E104009-13	Waste	9/29/10 14:30	10/1/10 8:35
HERC12-B	E104009-14	Waste	9/29/10 14:50	10/1/10 8:35
HERC13-B	E104009-15	Waste	9/29/10 15:10	10/1/10 8:35



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
H-7	Recommended preparation holding time exceeded
J	The identification of the analyte is acceptable; the reported value is an estimate.
N	There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
NA-5	Not Analyzed. Cannot exceed TCLP regulatory levels based on Total Scan analyses.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
O-2	Result greater than MDL but less than MRL.
OL-2	Laboratory Control Spike Recovery greater than method control limits
OL-3	Laboratory Control Spike Precision outside method control limits
OM-1	Matrix Spike Recovery less than method control limits
OM-6	Matrix Spike Recovery less than 10%
R	The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
92-52-4	1,1-Biphenyl	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
95-94-3	1,2,4,5-Tetrachlorobenzene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
95-50-1	1,2-Dichlorobenzene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
541-73-1	1,3-Dichlorobenzene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
106-46-7	1,4-Dichlorobenzene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
90-12-0	1-Methylnaphthalene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
120-83-2	2,4-Dichlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
105-67-9	2,4-Dimethylphenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
51-28-5	2,4-Dinitrophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
121-14-2	2,4-Dinitrotoluene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
606-20-2	2,6-Dinitrotoluene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
91-58-7	2-Chloronaphthalene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
95-57-8	2-Chlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
91-57-6	2-Methylnaphthalene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
95-48-7	2-Methylphenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
88-74-4	2-Nitroaniline	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
88-75-5	2-Nitrophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
99-09-2	3-Nitroaniline	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
106-47-8	4-Chloroaniline	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
100-01-6	4-Nitroaniline	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
100-02-7	4-Nitrophenol	9.8	U, J, H-7, QL-3	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
83-32-9	Acenaphthene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
208-96-8	Acenaphthylene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
98-86-2	Acetophenone	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
120-12-7	Anthracene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
1912-24-9	Atrazine	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
100-52-7	Benzaldehyde	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
56-55-3	Benzo(a)anthracene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
50-32-8	Benzo(a)pyrene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
100-51-6	Benzyl alcohol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
85-68-7	Benzyl butyl phthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
105-60-2	Caprolactam	9.8	U, J, H-7, QL-3	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
86-74-8	Carbazole	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
218-01-9	Chrysene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
132-64-9	Dibenzofuran	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
84-66-2	Diethyl phthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
131-11-3	Dimethyl phthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
84-74-2	Di-n-butylphthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
117-84-0	Di-n-octylphthalate	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
206-44-0	Fluoranthene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
86-73-7	Fluorene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
67-72-1	Hexachloroethane	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
193-39-5	Indeno (1,2,3-cd) pyrene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
78-59-1	Isophorone	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
91-20-3	Naphthalene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
98-95-3	Nitrobenzene	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
87-86-5	Pentachlorophenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
85-01-8	Phenanthrene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
108-95-2	Phenol	9.8	U, J, H-7	ug/L	9.8	10/04/10 6:57	10/13/10 17:44	EPA 8270D
129-00-0	Pyrene	2.0	U, J, H-7	ug/L	2.0	10/04/10 6:57	10/13/10 17:44	EPA 8270D
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/04/10 6:57	10/13/10 17:44	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	20	J, Q-2	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
92-52-4	1,1-Biphenyl	1600		mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
120-83-2	2,4-Dichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
105-67-9	2,4-Dimethylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
51-28-5	2,4-Dinitrophenol	26	U, R, QM-6	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
121-14-2	2,4-Dinitrotoluene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
606-20-2	2,6-Dinitrotoluene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
91-58-7	2-Chloronaphthalene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
95-57-8	2-Chlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
91-57-6	2-Methylnaphthalene	4.6		mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
95-48-7	2-Methylphenol	7.8	J, Q-2	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
88-74-4	2-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
88-75-5	2-Nitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
99-09-2	3-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
106-47-8	4-Chloroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
100-01-6	4-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
100-02-7	4-Nitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
83-32-9	Acenaphthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
208-96-8	Acenaphthylene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
98-86-2	Acetophenone	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
120-12-7	Anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
1912-24-9	Atrazine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
56-55-3	Benzo(a)anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
50-32-8	Benzo(a)pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
85-68-7	Benzyl butyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
105-60-2	Caprolactam	26	U, R, QM-6	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
86-74-8	Carbazole	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
218-01-9	Chrysene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
132-64-9	Dibenzofuran	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
84-66-2	Diethyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
131-11-3	Dimethyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
84-74-2	Di-n-butylphthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
117-84-0	Di-n-octylphthalate	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
206-44-0	Fluoranthene	11	J, QM-1	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
86-73-7	Fluorene	3.0		mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
87-68-3	Hexachlorobutadiene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	26	U, J, QM-1	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
67-72-1	Hexachloroethane	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
78-59-1	Isophorone	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
91-20-3	Naphthalene	6.2		mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
98-95-3	Nitrobenzene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
87-86-5	Pentachlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
85-01-8	Phenanthrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
108-95-2	Phenol	5.3	J, Q-2	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
129-00-0	Pyrene	16		mg/kg	2.6	10/05/10 12:00	10/09/10 23:16	EPA 8270D
110-86-1	Pyridine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 23:16	EPA 8270D
Tentatively Identified Compounds:								
R4-8000900	(Dimethylethyl)ethoxybenzene (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6552	(Menthenol)terpineol (TIC)	90	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6531	Camphene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-8000904	Cycloisolongifolene (TIC)	80	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-8000898	Ethyl(methylethyl)benzene (TIC)	60	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-7545	Limonene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	800	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6500	Petroleum Product:		N			10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6520	Pinene (TIC)	500	NJ	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D
R4-6501	Unidentified Compounds	70	J	mg/kg		10/05/10 12:00	10/09/10 23:16	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	50		mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
92-52-4	1,1-Biphenyl	3900		mg/kg	51	10/05/10 12:00	10/09/10 23:51	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
120-83-2	2,4-Dichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
105-67-9	2,4-Dimethylphenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
51-28-5	2,4-Dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
121-14-2	2,4-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
606-20-2	2,6-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
91-58-7	2-Chloronaphthalene	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
95-57-8	2-Chlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
91-57-6	2-Methylnaphthalene	5.6		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
95-48-7	2-Methylphenol	4.7	J, Q-2	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
88-74-4	2-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
88-75-5	2-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
99-09-2	3-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
106-47-8	4-Chloroaniline	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
100-01-6	4-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
100-02-7	4-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
83-32-9	Acenaphthene	2.9		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
208-96-8	Acenaphthylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
98-86-2	Acetophenone	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
120-12-7	Anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
1912-24-9	Atrazine	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
56-55-3	Benzo(a)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
50-32-8	Benzo(a)pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
85-68-7	Benzyl butyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
105-60-2	Caprolactam	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
86-74-8	Carbazole	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
218-01-9	Chrysene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
132-64-9	Dibenzofuran	4.1		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
84-66-2	Diethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
131-11-3	Dimethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
84-74-2	Di-n-butylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
117-84-0	Di-n-octylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
206-44-0	Fluoranthene	9.8		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
86-73-7	Fluorene	3.4		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
67-72-1	Hexachloroethane	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
78-59-1	Isophorone	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
91-20-3	Naphthalene	8.8		mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
98-95-3	Nitrobenzene	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
87-86-5	Pentachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
85-01-8	Phenanthrene	5.5	J, QL-2	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
108-95-2	Phenol	5.4	J, Q-2	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
129-00-0	Pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/09/10 23:51	EPA 8270D
110-86-1	Pyridine	25	U	mg/kg	25	10/05/10 12:00	10/09/10 23:51	EPA 8270D
Tentatively Identified Compounds:								
R4-8000900	(Dimethylethyl)ethoxybenzene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6552	(Menthenol)terpineol (TIC)	60	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6531	Camphene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-8000904	Cycloisolongifolene (TIC)	80	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-8000898	Ethyl(methylethyl)benzene (TIC)	70	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	3000	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	600	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6500	Petroleum Product:	N				10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6520	Pinene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-8000466	Propylphenol (TIC)	50	NJ	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D
R4-6501	Unidentified Compounds	900	J	mg/kg		10/05/10 12:00	10/09/10 23:51	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
92-52-4	1,1-Biphenyl	130		mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
120-83-2	2,4-Dichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
105-67-9	2,4-Dimethylphenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
51-28-5	2,4-Dinitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
121-14-2	2,4-Dinitrotoluene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
606-20-2	2,6-Dinitrotoluene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
91-58-7	2-Chloronaphthalene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
95-57-8	2-Chlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
91-57-6	2-Methylnaphthalene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
95-48-7	2-Methylphenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
88-74-4	2-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
88-75-5	2-Nitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
99-09-2	3-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
106-47-8	4-Chloroaniline	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
100-01-6	4-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
100-02-7	4-Nitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
83-32-9	Acenaphthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
208-96-8	Acenaphthylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
98-86-2	Acetophenone	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
120-12-7	Anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
1912-24-9	Atrazine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
56-55-3	Benzo(a)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
50-32-8	Benzo(a)pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
85-68-7	Benzyl butyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
105-60-2	Caprolactam	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
86-74-8	Carbazole	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
218-01-9	Chrysene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
132-64-9	Dibenzofuran	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
84-66-2	Diethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
131-11-3	Dimethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
84-74-2	Di-n-butylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
117-84-0	Di-n-octylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
206-44-0	Fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
86-73-7	Fluorene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
87-68-3	Hexachlorobutadiene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
67-72-1	Hexachloroethane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
78-59-1	Isophorone	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
91-20-3	Naphthalene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
98-95-3	Nitrobenzene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
87-86-5	Pentachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
85-01-8	Phenanthrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
108-95-2	Phenol	8.9	J, Q-2	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
129-00-0	Pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:06	EPA 8270D
110-86-1	Pyridine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:06	EPA 8270D
Tentatively Identified Compounds:								
R4-6603	Dimethylisopropylphenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	800	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	600	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-6514	Methyl(methylethyl)phenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D
R4-6501	Unidentified Compounds	3000	J	mg/kg		10/05/10 12:00	10/09/10 22:06	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	53		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
92-52-4	1,1-Biphenyl	1800		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
120-83-2	2,4-Dichlorophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
105-67-9	2,4-Dimethylphenol	6.0 J, Q-2		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
51-28-5	2,4-Dinitrophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
121-14-2	2,4-Dinitrotoluene	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
606-20-2	2,6-Dinitrotoluene	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
91-58-7	2-Chloronaphthalene	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
95-57-8	2-Chlorophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
91-57-6	2-Methylnaphthalene	8.4		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
95-48-7	2-Methylphenol	4.3 J, Q-2		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
88-74-4	2-Nitroaniline	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
88-75-5	2-Nitrophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
99-09-2	3-Nitroaniline	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
106-47-8	4-Chloroaniline	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
100-01-6	4-Nitroaniline	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
100-02-7	4-Nitrophenol	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
83-32-9	Acenaphthene	3.8		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
208-96-8	Acenaphthylene	2.5 U		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
98-86-2	Acetophenone	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
120-12-7	Anthracene	2.5 U		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
1912-24-9	Atrazine	25 U		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
56-55-3	Benzo(a)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
50-32-8	Benzo(a)pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
85-68-7	Benzyl butyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
105-60-2	Caprolactam	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
86-74-8	Carbazole	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
218-01-9	Chrysene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
132-64-9	Dibenzofuran	3.0		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
84-66-2	Diethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
131-11-3	Dimethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
84-74-2	Di-n-butylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
117-84-0	Di-n-octylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
206-44-0	Fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
86-73-7	Fluorene	2.7		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
67-72-1	Hexachloroethane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
78-59-1	Isophorone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
91-20-3	Naphthalene	7.8		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
98-95-3	Nitrobenzene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
87-86-5	Pentachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
85-01-8	Phenanthrene	3.0	J, QL-2	mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
108-95-2	Phenol	71		mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
129-00-0	Pyrene	3.6		mg/kg	2.5	10/05/10 12:00	10/10/10 0:26	EPA 8270D
110-86-1	Pyridine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 0:26	EPA 8270D
Tentatively Identified Compounds:								
R4-6552	(Menthenol)terpineol (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-6531	Camphene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-8000520	Camphor (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-8000903	Chlorotrimethylbicycloheptane (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-6500	Petroleum Product:	N				10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-6520	Pinene (TIC)	700	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-8000466	Propylphenol (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D
R4-6501	Unidentified Compounds	2000	J	mg/kg		10/05/10 12:00	10/10/10 0:26	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	100		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
92-52-4	1,1-Biphenyl	1200		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
120-83-2	2,4-Dichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
105-67-9	2,4-Dimethylphenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
51-28-5	2,4-Dinitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
121-14-2	2,4-Dinitrotoluene	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
606-20-2	2,6-Dinitrotoluene	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
91-58-7	2-Chloronaphthalene	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
95-57-8	2-Chlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
91-57-6	2-Methylnaphthalene	14		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
95-48-7	2-Methylphenol	4.9 J, Q-2		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
88-74-4	2-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
88-75-5	2-Nitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
99-09-2	3-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
106-47-8	4-Chloroaniline	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
100-01-6	4-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
100-02-7	4-Nitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
83-32-9	Acenaphthene	2.8		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
208-96-8	Acenaphthylene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
98-86-2	Acetophenone	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
120-12-7	Anthracene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
1912-24-9	Atrazine	24 U		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
56-55-3	Benzo(a)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
50-32-8	Benzo(a)pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
85-68-7	Benzyl butyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
105-60-2	Caprolactam	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
86-74-8	Carbazole	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
218-01-9	Chrysene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
132-64-9	Dibenzofuran	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
84-66-2	Diethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
131-11-3	Dimethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
84-74-2	Di-n-butylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
117-84-0	Di-n-octylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
206-44-0	Fluoranthene	11		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
86-73-7	Fluorene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
87-68-3	Hexachlorobutadiene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
67-72-1	Hexachloroethane	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
78-59-1	Isophorone	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
91-20-3	Naphthalene	8.7		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
98-95-3	Nitrobenzene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
87-86-5	Pentachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
85-01-8	Phenanthrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
108-95-2	Phenol	31		mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
129-00-0	Pyrene	5.7		mg/kg	2.4	10/05/10 12:00	10/10/10 1:01	EPA 8270D
110-86-1	Pyridine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 1:01	EPA 8270D
Tentatively Identified Compounds:								
R4-6552	(Menthenol)terpineol (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6531	Camphene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-8000903	Chlorotrimethylbicycloheptane (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-8000904	Cycloisolongifolene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6506	Decahydrotrimethylmethylenemethanoazulene (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6539	Hexahydrodimethyl(methylethyl)naphthalene (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6500	Petroleum Product:	N				10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6519	Phenanthrenecarboxylic acid (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6520	Pinene (TIC)	900	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D
R4-6501	Unidentified Compounds	700	J	mg/kg		10/05/10 12:00	10/10/10 1:01	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
92-52-4	1,1-Biphenyl	120		mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
120-83-2	2,4-Dichlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
105-67-9	2,4-Dimethylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
51-28-5	2,4-Dinitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
121-14-2	2,4-Dinitrotoluene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
606-20-2	2,6-Dinitrotoluene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
91-58-7	2-Chloronaphthalene	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
95-57-8	2-Chlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
91-57-6	2-Methylnaphthalene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
95-48-7	2-Methylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
88-74-4	2-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
88-75-5	2-Nitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
99-09-2	3-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
106-47-8	4-Chloroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
100-01-6	4-Nitroaniline	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
100-02-7	4-Nitrophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
83-32-9	Acenaphthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
208-96-8	Acenaphthylene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
98-86-2	Acetophenone	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
120-12-7	Anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
1912-24-9	Atrazine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results - Qualifiers	Units	MRLL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
56-55-3	Benzo(a)anthracene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
50-32-8	Benzo(a)pyrene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
5-68-7	Benzyl butyl phthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
105-60-2	Caprolactam	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
86-74-8	Carbazole	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
218-01-9	Chrysene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
132-64-9	Dibenzofuran	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
84-66-2	Diethyl phthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
131-11-3	Dimethyl phthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
84-74-2	Di-n-butylphthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
117-84-0	Di-n-octylphthalate	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
206-44-0	Fluoranthene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
86-73-7	Fluorene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
87-68-3	Hexachlorobutadiene	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
67-72-1	Hexachloroethane	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
78-59-1	Isophorone	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
1-20-3	Naphthalene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
98-95-3	Nitrobenzene	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	26 U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
87-86-5	Pentachlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
85-01-8	Phenanthrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
108-95-2	Phenol	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D
129-00-0	Pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/09/10 20:56	EPA 8270D
110-86-1	Pyridine	26	U	mg/kg	26	10/05/10 12:00	10/09/10 20:56	EPA 8270D

Tentatively Identified Compounds:

R4-6603	Dimethylisopropylphenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 20:56	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 20:56	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/09/10 20:56	EPA 8270D
R4-6500	Petroleum Product:		N			10/05/10 12:00	10/09/10 20:56	EPA 8270D
R4-6501	Unidentified Compounds	6000	J	mg/kg		10/05/10 12:00	10/09/10 20:56	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	78		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
92-52-4	1,1-Biphenyl	330		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
120-83-2	2,4-Dichlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
105-67-9	2,4-Dimethylphenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
51-28-5	2,4-Dinitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
121-14-2	2,4-Dinitrotoluene	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
606-20-2	2,6-Dinitrotoluene	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
91-58-7	2-Chloronaphthalene	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
95-57-8	2-Chlorophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
91-57-6	2-Methylnaphthalene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
95-48-7	2-Methylphenol	17 J, Q-2		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
88-74-4	2-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
88-75-5	2-Nitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
99-09-2	3-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
106-47-8	4-Chloroaniline	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
100-01-6	4-Nitroaniline	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
100-02-7	4-Nitrophenol	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
83-32-9	Acenaphthene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
208-96-8	Acenaphthylene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
98-86-2	Acetophenone	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
20-12-7	Anthracene	2.4 U		mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
1912-24-9	Atrazine	24 U		mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-BLab ID: E104009-09Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
56-55-3	Benzo(a)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
50-32-8	Benzo(a)pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
5-68-7	Benzyl butyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
105-60-2	Caprolactam	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
86-74-8	Carbazole	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
218-01-9	Chrysene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
132-64-9	Dibenzofuran	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
84-66-2	Diethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
131-11-3	Dimethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
84-74-2	Di-n-butylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
117-84-0	Di-n-octylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
206-44-0	Fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
86-73-7	Fluorene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
87-68-3	Hexachlorobutadiene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
67-72-1	Hexachloroethane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
78-59-1	Isophorone	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
1-20-3	Naphthalene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
98-95-3	Nitrobenzene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
87-86-5	Pentachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
85-01-8	Phenanthrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
108-95-2	Phenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D
129-00-0	Pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 21:31	EPA 8270D
110-86-1	Pyridine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 21:31	EPA 8270D

Tentatively Identified Compounds:

R4-6603	Dimethylisopropylphenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 21:31	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	600	NJ	mg/kg		10/05/10 12:00	10/09/10 21:31	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/09/10 21:31	EPA 8270D
R4-6500	Petroleum Product:		N			10/05/10 12:00	10/09/10 21:31	EPA 8270D
R4-6501	Unidentified Compounds	5000	J	mg/kg		10/05/10 12:00	10/09/10 21:31	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
105-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: **HERC08**

Lab ID: **E104009-10**

Station ID: **HERC08**

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
92-52-4	1,1-Biphenyl	2.4 U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
120-83-2	2,4-Dichlorophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
105-67-9	2,4-Dimethylphenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
51-28-5	2,4-Dinitrophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
121-14-2	2,4-Dinitrotoluene	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
606-20-2	2,6-Dinitrotoluene	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
91-58-7	2-Chloronaphthalene	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
95-57-8	2-Chlorophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
91-57-6	2-Methylnaphthalene	2.4 U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
95-48-7	2-Methylphenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
88-74-4	2-Nitroaniline	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
88-75-5	2-Nitrophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
99-09-2	3-Nitroaniline	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
106-47-8	4-Chloroaniline	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
100-01-6	4-Nitroaniline	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
100-02-7	4-Nitrophenol	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
83-32-9	Acenaphthene	2.4 U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
208-96-8	Acenaphthylene	2.4 U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
98-86-2	Acetophenone	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
120-12-7	Anthracene	2.4 U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
1912-24-9	Atrazine	24 U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
56-55-3	Benzo(a)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
50-32-8	Benzo(a)pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
15-68-7	Benzyl butyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
105-60-2	Caprolactam	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
86-74-8	Carbazole	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
218-01-9	Chrysene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
132-64-9	Dibenzofuran	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
84-66-2	Diethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
131-11-3	Dimethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
84-74-2	Di-n-butylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
117-84-0	Di-n-octylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
206-44-0	Fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
86-73-7	Fluorene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
87-68-3	Hexachlorobutadiene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
67-72-1	Hexachloroethane	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
78-59-1	Isophorone	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
91-20-3	Naphthalene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
98-95-3	Nitrobenzene	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
87-86-5	Pentachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
85-01-8	Phenanthrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
108-95-2	Phenol	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
129-00-0	Pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/09/10 22:41	EPA 8270D
110-86-1	Pyridine	24	U	mg/kg	24	10/05/10 12:00	10/09/10 22:41	EPA 8270D
Tentatively Identified Compounds:								
R4-6558	Bis(methylethyl)biphenyl (TIC)	70	NJ	mg/kg		10/05/10 12:00	10/09/10 22:41	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/09/10 22:41	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/09/10 22:41	EPA 8270D
R4-6500	Petroleum Product:		N			10/05/10 12:00	10/09/10 22:41	EPA 8270D
R4-6501	Unidentified Compounds	2000	J	mg/kg		10/05/10 12:00	10/09/10 22:41	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
75-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
92-52-4	1,1-Biphenyl	290		mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
20-83-2	2,4-Dichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
105-67-9	2,4-Dimethylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
51-28-5	2,4-Dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
121-14-2	2,4-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
606-20-2	2,6-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
91-58-7	2-Chloronaphthalene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
95-57-8	2-Chlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
91-57-6	2-Methylnaphthalene	2.6		mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
95-48-7	2-Methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
88-74-4	2-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
88-75-5	2-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
99-09-2	3-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
106-47-8	4-Chloroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
100-01-6	4-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
100-02-7	4-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
83-32-9	Acenaphthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
208-96-8	Acenaphthylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
98-86-2	Acetophenone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
20-12-7	Anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
1912-24-9	Atrazine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
56-55-3	Benzo(a)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
50-32-8	Benzo(a)pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
5-68-7	Benzyl butyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
105-60-2	Caprolactam	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
86-74-8	Carbazole	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
218-01-9	Chrysene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
132-64-9	Dibenzofuran	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
84-66-2	Diethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
131-11-3	Dimethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
84-74-2	Di-n-butylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
117-84-0	Di-n-octylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
206-44-0	Fluoranthene	6.8		mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
86-73-7	Fluorene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
67-72-1	Hexachloroethane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
78-59-1	Isophorone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
1-20-3	Naphthalene	3.1		mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
98-95-3	Nitrobenzene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
87-86-5	Pentachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
85-01-8	Phenanthrene	3.1	J, QL-2	mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
108-95-2	Phenol	7.2	J, Q-2	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
129-00-0	Pyrene	3.5		mg/kg	2.5	10/05/10 12:00	10/10/10 1:37	EPA 8270D
110-86-1	Pyridine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 1:37	EPA 8270D
Tentatively Identified Compounds:								
R4-8000682	(Dimethylethyl)methylphenol (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6531	Camphene (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6506	Decahydrotrimethylmethylenemethanoazulene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000907	Menthene (TIC)	600	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	700	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000906	Methyl(methylethyl)cyclohexene (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6500	Petroleum Product:	N				10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	100	NJ	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D
R4-6501	Unidentified Compounds	1000	J	mg/kg		10/05/10 12:00	10/10/10 1:37	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
92-52-4	1,1-Biphenyl	1600		mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
20-83-2	2,4-Dichlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
105-67-9	2,4-Dimethylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
51-28-5	2,4-Dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
121-14-2	2,4-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
606-20-2	2,6-Dinitrotoluene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
91-58-7	2-Chloronaphthalene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
95-57-8	2-Chlorophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
91-57-6	2-Methylnaphthalene	4.6		mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
95-48-7	2-Methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
88-74-4	2-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
88-75-5	2-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
99-09-2	3-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
106-47-8	4-Chloroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
100-01-6	4-Nitroaniline	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
100-02-7	4-Nitrophenol	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
83-32-9	Acenaphthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
208-96-8	Acenaphthylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
98-86-2	Acetophenone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
20-12-7	Anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
1912-24-9	Atrazine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
56-55-3	Benzo(a)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
50-32-8	Benzo(a)pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
5-68-7	Benzyl butyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
105-60-2	Caprolactam	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
86-74-8	Carbazole	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
218-01-9	Chrysene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
132-64-9	Dibenzofuran	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
84-66-2	Diethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
131-11-3	Dimethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
84-74-2	Di-n-butylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
117-84-0	Di-n-octylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
206-44-0	Fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
86-73-7	Fluorene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
67-72-1	Hexachloroethane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
78-59-1	Isophorone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
1-20-3	Naphthalene	6.7		mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
98-95-3	Nitrobenzene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
87-86-5	Pentachlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
85-01-8	Phenanthrene	2.5 U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
108-95-2	Phenol	18 J, Q-2	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D
129-00-0	Pyrene	3.4	mg/kg	2.5	10/05/10 12:00	10/10/10 2:12	EPA 8270D
110-86-1	Pyridine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:12	EPA 8270D

Tentatively Identified Compounds:

R4-6552	(Menthenol)terpineol (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6583	(Methylpropyl)benzene (TIC)	90 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6531	Camphene (TIC)	1000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	7000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	4000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6500	Petroleum Product:	N			10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6520	Pinene (TIC)	2000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-8000466	Propylphenol (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D
R4-6501	Unidentified Compounds	2000 J	mg/kg		10/05/10 12:00	10/10/10 2:12	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	13 J, Q-2	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
92-52-4	1,1-Biphenyl	480	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
120-83-2	2,4-Dichlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
105-67-9	2,4-Dimethylphenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
51-28-5	2,4-Dinitrophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
121-14-2	2,4-Dinitrotoluene	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
606-20-2	2,6-Dinitrotoluene	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
91-58-7	2-Chloronaphthalene	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
95-57-8	2-Chlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
91-57-6	2-Methylnaphthalene	2.6	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
95-48-7	2-Methylphenol	3.8 J, Q-2	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
88-74-4	2-Nitroaniline	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
88-75-5	2-Nitrophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
99-09-2	3-Nitroaniline	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
106-47-8	4-Chloroaniline	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
100-01-6	4-Nitroaniline	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
100-02-7	4-Nitrophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
83-32-9	Acenaphthene	2.5 U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
208-96-8	Acenaphthylene	2.5 U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
98-86-2	Acetophenone	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
120-12-7	Anthracene	2.5 U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
1912-24-9	Atrazine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
56-55-3	Benzo(a)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
50-32-8	Benzo(a)pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
5-68-7	Benzyl butyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
105-60-2	Caprolactam	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
86-74-8	Carbazole	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
218-01-9	Chrysene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
132-64-9	Dibenzofuran	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
84-66-2	Diethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
131-11-3	Dimethyl phthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
84-74-2	Di-n-butylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
117-84-0	Di-n-octylphthalate	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
206-44-0	Fluoranthene	10		mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
86-73-7	Fluorene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
67-72-1	Hexachloroethane	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.5	U	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
78-59-1	Isophorone	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
91-20-3	Naphthalene	3.3		mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
98-95-3	Nitrobenzene	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	25	U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
87-86-5	Pentachlorophenol	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
85-01-8	Phenanthrene	5.0 J, QL-2	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
108-95-2	Phenol	6.2 J, Q-2	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
129-00-0	Pyrene	4.8	mg/kg	2.5	10/05/10 12:00	10/10/10 2:48	EPA 8270D
110-86-1	Pyridine	25 U	mg/kg	25	10/05/10 12:00	10/10/10 2:48	EPA 8270D
Tentatively Identified Compounds:							
R4-8000682	(Dimethylethyl)methylphenol (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6531	Camphene (TIC)	100 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	1000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-8000907	Menthene (TIC)	100 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	700 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	2000 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6500	Petroleum Product:	N			10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6520	Pinene (TIC)	100 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	200 NJ	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D
R4-6501	Unidentified Compounds	2000 J	mg/kg		10/05/10 12:00	10/10/10 2:48	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	3.1 J, Q-2	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
92-52-4	1,1-Biphenyl	500	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
120-83-2	2,4-Dichlorophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
105-67-9	2,4-Dimethylphenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
51-28-5	2,4-Dinitrophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
121-14-2	2,4-Dinitrotoluene	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
606-20-2	2,6-Dinitrotoluene	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
91-58-7	2-Chloronaphthalene	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
95-57-8	2-Chlorophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
91-57-6	2-Methylnaphthalene	3.5	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
95-48-7	2-Methylphenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
88-74-4	2-Nitroaniline	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
88-75-5	2-Nitrophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
99-09-2	3-Nitroaniline	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
106-47-8	4-Chloroaniline	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
100-01-6	4-Nitroaniline	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
100-02-7	4-Nitrophenol	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
83-32-9	Acenaphthene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
208-96-8	Acenaphthylene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
98-86-2	Acetophenone	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
120-12-7	Anthracene	2.6 U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
1912-24-9	Atrazine	26 U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
56-55-3	Benzo(a)anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
50-32-8	Benzo(a)pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
35-68-7	Benzyl butyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
105-60-2	Caprolactam	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
86-74-8	Carbazole	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
218-01-9	Chrysene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
132-64-9	Dibenzofuran	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
84-66-2	Diethyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
131-11-3	Dimethyl phthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
84-74-2	Di-n-butylphthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
117-84-0	Di-n-octylphthalate	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
206-44-0	Fluoranthene	9.5		mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
86-73-7	Fluorene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
87-68-3	Hexachlorobutadiene	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
67-72-1	Hexachloroethane	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
78-59-1	Isophorone	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
91-20-3	Naphthalene	3.9		mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
98-95-3	Nitrobenzene	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
87-86-5	Pentachlorophenol	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
85-01-8	Phenanthrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
108-95-2	Phenol	15	J, Q-2	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
129-00-0	Pyrene	2.6	U	mg/kg	2.6	10/05/10 12:00	10/10/10 3:24	EPA 8270D
110-86-1	Pyridine	26	U	mg/kg	26	10/05/10 12:00	10/10/10 3:24	EPA 8270D
Tentatively Identified Compounds:								
R4-6531	Camphene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	500	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	3000	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000906	Methyl(methylethyl)cyclohexene (TIC)	80	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-6500	Petroleum Product:	N				10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000466	Propylphenol (TIC)	300	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D
R4-6501	Unidentified Compounds	1000	J	mg/kg		10/05/10 12:00	10/10/10 3:24	EPA 8270D



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol	18	J, Q-2	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
92-52-4	1,1-Biphenyl	1500		mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
95-95-4	2,4,5-Trichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
88-06-2	2,4,6-Trichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
120-83-2	2,4-Dichlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
105-67-9	2,4-Dimethylphenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
51-28-5	2,4-Dinitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
121-14-2	2,4-Dinitrotoluene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
606-20-2	2,6-Dinitrotoluene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
91-58-7	2-Chloronaphthalene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
95-57-8	2-Chlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
534-52-1	2-Methyl-4,6-dinitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
91-57-6	2-Methylnaphthalene	4.1		mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
95-48-7	2-Methylphenol	4.0	J, Q-2	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
88-74-4	2-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
88-75-5	2-Nitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
91-94-1	3,3'-Dichlorobenzidine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
99-09-2	3-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
101-55-3	4-Bromophenyl phenyl ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
59-50-7	4-Chloro-3-methylphenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
106-47-8	4-Chloroaniline	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
7005-72-3	4-Chlorophenyl phenyl ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
100-01-6	4-Nitroaniline	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
100-02-7	4-Nitrophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
83-32-9	Acenaphthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
208-96-8	Acenaphthylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
98-86-2	Acetophenone	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
120-12-7	Anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
1912-24-9	Atrazine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MR	Prepared	Analyzed	Method
100-52-7	Benzaldehyde	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
56-55-3	Benzo(a)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
50-32-8	Benzo(a)pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
205-99-2	Benzo(b)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
191-24-2	Benzo(g,h,i)perylene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
207-08-9	Benzo(k)fluoranthene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
5-68-7	Benzyl butyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
111-91-1	Bis(2-chloroethoxy)methane	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
111-44-4	bis(2-Chloroethyl) Ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
39638-32-9	Bis(2-chloroisopropyl) ether	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
117-81-7	Bis(2-ethylhexyl) phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
105-60-2	Caprolactam	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
86-74-8	Carbazole	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
218-01-9	Chrysene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
53-70-3	Dibenz(a,h)anthracene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
132-64-9	Dibenzofuran	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
84-66-2	Diethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
131-11-3	Dimethyl phthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
84-74-2	Di-n-butylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
117-84-0	Di-n-octylphthalate	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
206-44-0	Fluoranthene	7.0		mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
86-73-7	Fluorene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
118-74-1	Hexachlorobenzene (HCB)	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
87-68-3	Hexachlorobutadiene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
77-47-4	Hexachlorocyclopentadiene (HCCP)	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
67-72-1	Hexachloroethane	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
193-39-5	Indeno (1,2,3-cd) pyrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
78-59-1	Isophorone	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
1-20-3	Naphthalene	5.2		mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
98-95-3	Nitrobenzene	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
621-64-7	n-Nitroso di-n-Propylamine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

Semi Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
122-39-4	n-Nitrosodiphenylamine/Diphenylamine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
87-86-5	Pentachlorophenol	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
85-01-8	Phenanthrene	2.4	U	mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
108-95-2	Phenol	28		mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D
129-00-0	Pyrene	3.1		mg/kg	2.4	10/05/10 12:00	10/10/10 4:00	EPA 8270D
110-86-1	Pyridine	24	U	mg/kg	24	10/05/10 12:00	10/10/10 4:00	EPA 8270D

Tentatively Identified Compounds:

R4-6552	(Menthenol)terpineol (TIC)	400	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-6531	Camphene (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-6603	Dimethylisopropylphenanthrene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000535	Diphenyl ether (TIC)	5000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000899	Hexahydrotetramethylmethanonaphthalene (TIC)	1000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-6584	Methyl(methylethyl)benzene (TIC)	7000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000897	Methyl(methylethyl)cyclohexane (TIC)	4000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000906	Methyl(methylethyl)cyclohexene (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-6520	Pinene (TIC)	2000	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000466	Propylphenol (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-8000901	Trimethylbicycloheptane (TIC)	200	NJ	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D
R4-6501	Unidentified Compounds	2000	J	mg/kg		10/05/10 12:00	10/10/10 4:00	EPA 8270D



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Janet Muse

TCLP SemiVolatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
1319-77-3	(3-and/or 4-)Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
58-90-2	2,3,4,6-Tetrachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-95-4	2,4,5-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
88-06-2	2,4,6-Trichlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
121-14-2	2,4-Dinitrotoluene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
95-48-7	2-Methylphenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
118-74-1	Hexachlorobenzene (HCB):	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-68-3	Hexachlorobutadiene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
67-72-1	Hexachloroethane:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
98-95-3	Nitrobenzene:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
87-86-5	Pentachlorophenol:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D
110-86-1	Pyridine:	NA-5			0.10	10/05/10 9:44	10/09/10 14:04	EPA 8270D





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

November 8, 2010

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 10-0629, Hercules Inc
Civil Enforcement

FROM: Kristin Trapp
OCS Chemist

THRU: Sallie Hale, Chief
ASB Organic Chemistry Section

TO: Sharon Matthews

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

TCLP Volatiles (TCLPV)

Toxicity Characteristic Leaching Procedure
Volatile organic compounds

EPA 1311
EPA 8260C

Volatile Organics (VOA)

Volatile organic compounds

EPA 8260C



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Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days



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SAMPLES INCLUDED IN THIS REPORT

Project: 10-0629, Hercules Inc

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
ERB01	E104009-01	Equipment Rinse Blank	9/23/10 13:30	10/1/10 8:35
HERC01-A	E104009-03	Waste	9/28/10 10:10	10/1/10 8:35
HERC02-B	E104009-04	Waste	9/28/10 10:55	10/1/10 8:35
HERC03-B	E104009-05	Waste	9/28/10 13:15	10/1/10 8:35
HERC04-B	E104009-06	Waste	9/28/10 13:50	10/1/10 8:35
HERC05-A	E104009-07	Waste	9/28/10 14:05	10/1/10 8:35
HERC06-B	E104009-08	Waste	9/28/10 14:55	10/1/10 8:35
HERC07-B	E104009-09	Waste	9/28/10 15:25	10/1/10 8:35
HERC08	E104009-10	Waste	9/29/10 08:50	10/1/10 8:35
HERC09-B	E104009-11	Waste	9/29/10 14:20	10/1/10 8:35
HERC10-B	E104009-12	Waste	9/29/10 14:15	10/1/10 8:35
HERC11-B	E104009-13	Waste	9/29/10 14:30	10/1/10 8:35
HERC12-B	E104009-14	Waste	9/29/10 14:50	10/1/10 8:35
HERC13-B	E104009-15	Waste	9/29/10 15:10	10/1/10 8:35



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
D-4	MRL elevated due to interferences.
H-8	Recommended analytical holding time exceeded
J	The identification of the analyte is acceptable; the reported value is an estimate.
NA-5	Not Analyzed. Cannot exceed TCLP regulatory levels based on Total Scan analyses.
NJ	Presumptive evidence that analyte is present; reported as a tentative identification with an estimated value.
O-2	Result greater than MDL but less than MRL.
OC-1	Analyte concentration low in continuing calibration verification standard
OL-1	Laboratory Control Spike Recovery less than method control limits
OL-3	Laboratory Control Spike Precision outside method control limits
OR-1	MRL verification recovery less than lower control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
9-00-5	1,1,2-Trichloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-34-3	1,1-Dichloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
563-58-6	1,1-Dichloropropene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
96-18-4	1,2,3-Trichloropropane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.0	U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
107-06-2	1,2-Dichloroethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
78-87-5	1,2-Dichloropropane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
142-28-9	1,3-Dichloropropane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
594-20-7	2,2-Dichloropropane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
67-64-1	Acetone	4.0	U	ug/L	4.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
71-43-2	Benzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-86-1	Bromobenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
74-97-5	Bromochloromethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
5-27-4	Bromodichloromethane	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-25-2	Bromoform	1.0	U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	2.0 U	ug/L	2.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-15-0	Carbon disulfide	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
56-23-5	Carbon Tetrachloride	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-90-7	Chlorobenzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-00-3	Chloroethane	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
67-66-3	Chloroform	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
74-87-3	Chloromethane	0.50 U, J, QC-1	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
110-82-7	Cyclohexane	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
124-48-1	Dibromochloromethane	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
74-95-3	Dibromomethane	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	0.50 U, J, QC-1	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
100-41-4	Ethyl Benzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
87-68-3	Hexachlorobutadiene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
98-82-8	Isopropylbenzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
79-20-9	Methyl Acetate	1.0 U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.0 U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.0 U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.0 U	ug/L	1.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-87-2	Methylcyclohexane	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-09-2	Methylene Chloride	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
104-51-8	n-Butylbenzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
103-65-1	n-Propylbenzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
95-49-8	o-Chlorotoluene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
95-47-6	o-Xylene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
106-43-4	p-Chlorotoluene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
99-87-6	p-Isopropyltoluene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
135-98-8	sec-Butylbenzene	0.50 U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
100-42-5	Styrene	2.0 U	ug/L	2.0	10/04/10 9:32	10/04/10 12:10	EPA 8260C



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
108-88-3	Toluene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.50	U, J, QL-1	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
75-01-4	Vinyl chloride	0.50	U	ug/L	0.50	10/04/10 9:32	10/04/10 12:10	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	10	U	ug/L	10	10/04/10 9:32	10/04/10 12:10	EPA 8260C



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D.A.R.T. Id: 10-0629

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TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
107-06-2	1,2-Dichloroethane:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
106-46-7	1,4-Dichlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
71-43-2	Benzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
56-23-5	Carbon Tetrachloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
108-90-7	Chlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
67-66-3	Chloroform:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
87-68-3	Hexachlorobutadiene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
78-93-3	Methyl Ethyl Ketone:	NA-5			0.0010	10/13/10 15:00	10/13/10 15:00	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
75-01-4	Vinyl chloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.1 J, Q-2	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
71-55-6	1,1,1-Trichloroethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
9-00-5	1,1,2-Trichloroethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-34-3	1,1-Dichloroethane	9.8 U, J, QL-1	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
563-58-6	1,1-Dichloropropene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
96-18-4	1,2,3-Trichloropropane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	3.9 J, Q-2, QR-1	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	20 U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
95-50-1	1,2-Dichlorobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
107-06-2	1,2-Dichloroethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
78-87-5	1,2-Dichloropropane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
541-73-1	1,3-Dichlorobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
142-28-9	1,3-Dichloropropane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
106-46-7	1,4-Dichlorobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
594-20-7	2,2-Dichloropropane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
67-64-1	Acetone	78 U	mg/kg	78	10/06/10 12:10	10/07/10 15:08	EPA 8260C
71-43-2	Benzene	18	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-86-1	Bromobenzene	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
74-97-5	Bromochloromethane	9.8 U, J, QL-1	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
5-27-4	Bromodichloromethane	9.8 U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-25-2	Bromoform	20 U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	39	U	mg/kg	39	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-15-0	Carbon disulfide	5.3	J, Q-2	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
56-23-5	Carbon Tetrachloride	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-90-7	Chlorobenzene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-00-3	Chloroethane	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
67-66-3	Chloroform	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
74-87-3	Chloromethane	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
110-82-7	Cyclohexane	110		mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
124-48-1	Dibromochloromethane	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
74-95-3	Dibromomethane	9.8	U, J, QL-1	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
100-41-4	Ethyl Benzene	2.4	J, Q-2	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
87-68-3	Hexachlorobutadiene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
98-82-8	Isopropylbenzene	16	U, D-4	mg/kg	16	10/06/10 12:10	10/07/10 15:08	EPA 8260C
79-20-9	Methyl Acetate	20	U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C
591-78-6	Methyl Butyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C
78-93-3	Methyl Ethyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 15:08	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-87-2	Methylcyclohexane	6.9	J, Q-2	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-09-2	Methylene Chloride	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
104-51-8	n-Butylbenzene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
103-65-1	n-Propylbenzene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
95-49-8	o-Chlorotoluene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
95-47-6	o-Xylene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
106-43-4	p-Chlorotoluene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
99-87-6	p-Isopropyltoluene	1100		mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
135-98-8	sec-Butylbenzene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
100-42-5	Styrene	39	U	mg/kg	39	10/06/10 12:10	10/07/10 15:08	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
108-88-3	Toluene	7100		mg/kg	49	10/06/10 12:10	10/08/10 13:10	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
5-69-4	Trichlorofluoromethane (Freon 11)	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
75-01-4	Vinyl chloride	9.8	U	mg/kg	9.8	10/06/10 12:10	10/07/10 15:08	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	200	U	mg/kg	200	10/06/10 12:10	10/07/10 15:08	EPA 8260C



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
107-06-2	1,2-Dichloroethane	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
71-43-2	Benzene	0.21	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
56-23-5	Carbon Tetrachloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
108-90-7	Chlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
67-66-3	Chloroform	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
87-68-3	Hexachlorobutadiene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.20 U	mg/L	0.20	10/13/10 15:00	10/13/10 15:23	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C
75-01-4	Vinyl chloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 15:23	EPA 8260C



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
71-55-6	1,1,1-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
79-00-5	1,1,2-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-34-3	1,1-Dichloroethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
563-58-6	1,1-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
96-18-4	1,2,3-Trichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	7.0	J, Q-2, QR-1	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
95-50-1	1,2-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
107-06-2	1,2-Dichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
78-87-5	1,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
541-73-1	1,3-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
142-28-9	1,3-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
106-46-7	1,4-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
594-20-7	2,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
67-64-1	Acetone	200	U	mg/kg	200	10/06/10 12:10	10/07/10 15:34	EPA 8260C
71-43-2	Benzene	37		mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-86-1	Bromobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
74-97-5	Bromochloromethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
5-27-4	Bromodichloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-25-2	Bromoform	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	100	U	mg/kg	100	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-15-0	Carbon disulfide	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
56-23-5	Carbon Tetrachloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-90-7	Chlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-00-3	Chloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
67-66-3	Chloroform	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
74-87-3	Chloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
110-82-7	Cyclohexane	190		mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
124-48-1	Dibromochloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
74-95-3	Dibromomethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
100-41-4	Ethyl Benzene	6.5	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
98-82-8	Isopropylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
79-20-9	Methyl Acetate	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C
591-78-6	Methyl Butyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C
78-93-3	Methyl Ethyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 15:34	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-87-2	Methylcyclohexane	17	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-09-2	Methylene Chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
104-51-8	n-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
103-65-1	n-Propylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
95-49-8	o-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
95-47-6	o-Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
106-43-4	p-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
9-87-6	p-Isopropyltoluene	1700		mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
135-98-8	sec-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
100-42-5	Styrene	100	U	mg/kg	100	10/06/10 12:10	10/07/10 15:34	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
108-88-3	Toluene	16000		mg/kg	120	10/06/10 12:10	10/08/10 13:36	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
5-69-4	Trichlorofluoromethane (Freon 11)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
75-01-4	Vinyl chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 15:34	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	500	U	mg/kg	500	10/06/10 12:10	10/07/10 15:34	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
107-06-2	1,2-Dichloroethane	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
71-43-2	Benzene	0.62 J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
56-23-5	Carbon Tetrachloride	0.12 U, J, H-8, QL-3	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
108-90-7	Chlorobenzene	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
67-66-3	Chloroform	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
87-68-3	Hexachlorobutadiene	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.25 U, J, H-8	mg/L	0.25	10/21/10 15:00	10/21/10 18:30	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C
75-01-4	Vinyl chloride	0.12 U, J, H-8	mg/L	0.12	10/21/10 15:00	10/21/10 18:30	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	0.76	J, Q-2	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
71-55-6	1,1,1-Trichloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
9-00-5	1,1,2-Trichloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-34-3	1,1-Dichloroethane	0.97	U, J, QL-1	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
563-58-6	1,1-Dichloropropene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
96-18-4	1,2,3-Trichloropropane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	2.1		mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	1.9	U	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
95-50-1	1,2-Dichlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
107-06-2	1,2-Dichloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
78-87-5	1,2-Dichloropropane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
541-73-1	1,3-Dichlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
142-28-9	1,3-Dichloropropane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
594-20-7	2,2-Dichloropropane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
67-64-1	Acetone	7.8	U	mg/kg	7.8	10/06/10 12:10	10/08/10 16:38	EPA 8260C
71-43-2	Benzene	3.4		mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-86-1	Bromobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
74-97-5	Bromochloromethane	0.97	U, J, QL-1	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
5-27-4	Bromodichloromethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-25-2	Bromoform	1.9	U	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	39	U	mg/kg	39	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-15-0	Carbon disulfide	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
56-23-5	Carbon Tetrachloride	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-90-7	Chlorobenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-00-3	Chloroethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
67-66-3	Chloroform	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
4-87-3	Chloromethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
110-82-7	Cyclohexane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
124-48-1	Dibromochloromethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
74-95-3	Dibromomethane	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
100-41-4	Ethyl Benzene	0.62	J, Q-2	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
87-68-3	Hexachlorobutadiene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
98-82-8	Isopropylbenzene	3.9	U, D-4	mg/kg	3.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
79-20-9	Methyl Acetate	0.72	J, Q-2	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
591-78-6	Methyl Butyl Ketone	1.9	U	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
78-93-3	Methyl Ethyl Ketone	1.9	U	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	1.9	U	mg/kg	1.9	10/06/10 12:10	10/08/10 16:38	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-87-2	Methylcyclohexane	8.6		mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-09-2	Methylene Chloride	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
104-51-8	n-Butylbenzene	1.2		mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
103-65-1	n-Propylbenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
95-49-8	o-Chlorotoluene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
95-47-6	o-Xylene	0.50	J, Q-2	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
106-43-4	p-Chlorotoluene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
9-87-6	p-Isopropyltoluene	420		mg/kg	9.7	10/06/10 12:10	10/07/10 14:42	EPA 8260C
135-98-8	sec-Butylbenzene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
100-42-5	Styrene	39	U	mg/kg	39	10/06/10 12:10	10/08/10 16:38	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	1.4		mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
108-88-3	Toluene	0.82	J, Q-2	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
75-01-4	Vinyl chloride	0.97	U	mg/kg	0.97	10/06/10 12:10	10/08/10 16:38	EPA 8260C
Tentatively Identified Compounds:								
R4-8000739	Dimethyloctane (TIC)	40	NJ	mg/kg		10/06/10 12:10	10/08/10 16:38	EPA 8260C
R4-8000896	Ethylmethylcyclohexane (TIC)	20	NJ	mg/kg		10/06/10 12:10	10/08/10 16:38	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
107-06-2	1,2-Dichloroethane:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
106-46-7	1,4-Dichlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
71-43-2	Benzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
56-23-5	Carbon Tetrachloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
108-90-7	Chlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
67-66-3	Chloroform:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
87-68-3	Hexachlorobutadiene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
78-93-3	Methyl Ethyl Ketone:	NA-5			0.0010	10/13/10 15:00	10/13/10 15:00	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
75-01-4	Vinyl chloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	5.8	J, Q-2	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
71-55-6	1,1,1-Trichloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
9-00-5	1,1,2-Trichloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-34-3	1,1-Dichloroethane	10	U, J, QL-1	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
563-58-6	1,1-Dichloropropene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
96-18-4	1,2,3-Trichloropropane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	4.6	J, Q-2, QR-1	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
95-50-1	1,2-Dichlorobenzene	25		mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
107-06-2	1,2-Dichloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
78-87-5	1,2-Dichloropropane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
541-73-1	1,3-Dichlorobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
142-28-9	1,3-Dichloropropane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
106-46-7	1,4-Dichlorobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
594-20-7	2,2-Dichloropropane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
67-64-1	Acetone	80	U	mg/kg	80	10/06/10 12:10	10/07/10 16:26	EPA 8260C
71-43-2	Benzene	19		mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-86-1	Bromobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
74-97-5	Bromochloromethane	10	U, J, QL-1	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
5-27-4	Bromodichloromethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-25-2	Bromoform	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	40	U	mg/kg	40	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-15-0	Carbon disulfide	5.6	J, Q-2	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
56-23-5	Carbon Tetrachloride	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-90-7	Chlorobenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-00-3	Chloroethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
67-66-3	Chloroform	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
74-87-3	Chloromethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
110-82-7	Cyclohexane	910		mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
124-48-1	Dibromochloromethane	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
74-95-3	Dibromomethane	10	U, J, QL-1	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
100-41-4	Ethyl Benzene	2.2	J, Q-2	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
87-68-3	Hexachlorobutadiene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
98-82-8	Isopropylbenzene	44	U, D-4	mg/kg	44	10/06/10 12:10	10/07/10 16:26	EPA 8260C
79-20-9	Methyl Acetate	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C
591-78-6	Methyl Butyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C
78-93-3	Methyl Ethyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:26	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-87-2	Methylcyclohexane	20		mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-09-2	Methylene Chloride	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
104-51-8	n-Butylbenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
103-65-1	n-Propylbenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
95-49-8	o-Chlorotoluene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
95-47-6	o-Xylene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
106-43-4	p-Chlorotoluene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
99-87-6	p-Isopropyltoluene	3500		mg/kg	50	10/06/10 12:10	10/08/10 14:28	EPA 8260C
135-98-8	sec-Butylbenzene	10	U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
100-42-5	Styrene	40	U	mg/kg	40	10/06/10 12:10	10/07/10 16:26	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
108-88-3	Toluene	3000	mg/kg	50	10/06/10 12:10	10/08/10 14:28	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
75-01-4	Vinyl chloride	10 U	mg/kg	10	10/06/10 12:10	10/07/10 16:26	EPA 8260C
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	200 U	mg/kg	200	10/06/10 12:10	10/07/10 16:26	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
107-06-2	1,2-Dichloroethane	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
71-43-2	Benzene	0.22	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
56-23-5	Carbon Tetrachloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
108-90-7	Chlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
67-66-3	Chloroform	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
87-68-3	Hexachlorobutadiene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.20 U	mg/L	0.20	10/13/10 15:00	10/13/10 16:19	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C
75-01-4	Vinyl chloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:19	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	4.6	J, Q-2	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
71-55-6	1,1,1-Trichloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
79-00-5	1,1,2-Trichloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-34-3	1,1-Dichloroethane	9.9	U, J, QL-1	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
563-58-6	1,1-Dichloropropene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
96-18-4	1,2,3-Trichloropropane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	4.0	J, Q-2, QR-1	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
95-50-1	1,2-Dichlorobenzene	6.3	J, Q-2	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
107-06-2	1,2-Dichloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
78-87-5	1,2-Dichloropropane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
541-73-1	1,3-Dichlorobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
142-28-9	1,3-Dichloropropane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
106-46-7	1,4-Dichlorobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
594-20-7	2,2-Dichloropropane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
67-64-1	Acetone	79	U	mg/kg	79	10/06/10 12:10	10/07/10 16:52	EPA 8260C
71-43-2	Benzene	14		mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-86-1	Bromobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
74-97-5	Bromochloromethane	9.9	U, J, QL-1	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-27-4	Bromodichloromethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-25-2	Bromoform	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-ALab ID: E104009-07Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	40	U	mg/kg	40	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-15-0	Carbon disulfide	3.6	J, Q-2	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
56-23-5	Carbon Tetrachloride	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-90-7	Chlorobenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-00-3	Chloroethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
67-66-3	Chloroform	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
4-87-3	Chloromethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
110-82-7	Cyclohexane	420		mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
124-48-1	Dibromochloromethane	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
74-95-3	Dibromomethane	9.9	U, J, QL-1	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
100-41-4	Ethyl Benzene	2.6	J, Q-2	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
87-68-3	Hexachlorobutadiene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
98-82-8	Isopropylbenzene	28	U, D-4	mg/kg	28	10/06/10 12:10	10/07/10 16:52	EPA 8260C
79-20-9	Methyl Acetate	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C
591-78-6	Methyl Butyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C
78-93-3	Methyl Ethyl Ketone	20	U	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	4.6	J, Q-2	mg/kg	20	10/06/10 12:10	10/07/10 16:52	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-87-2	Methylcyclohexane	22		mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-09-2	Methylene Chloride	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
104-51-8	n-Butylbenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
103-65-1	n-Propylbenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
95-49-8	o-Chlorotoluene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
95-47-6	o-Xylene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
106-43-4	p-Chlorotoluene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
9-87-6	p-Isopropyltoluene	3500		mg/kg	50	10/08/10 12:10	10/08/10 14:54	EPA 8260C
135-98-8	sec-Butylbenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
100-42-5	Styrene	40	U	mg/kg	40	10/06/10 12:10	10/07/10 16:52	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
108-88-3	Toluene	5300		mg/kg	50	10/06/10 12:10	10/08/10 14:54	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
75-01-4	Vinyl chloride	9.9	U	mg/kg	9.9	10/06/10 12:10	10/07/10 16:52	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	200	U	mg/kg	200	10/06/10 12:10	10/07/10 16:52	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
107-06-2	1,2-Dichloroethane	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
71-43-2	Benzene	0.23	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
56-23-5	Carbon Tetrachloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
108-90-7	Chlorobenzene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
67-66-3	Chloroform	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
87-68-3	Hexachlorobutadiene	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.20 U	mg/L	0.20	10/13/10 15:00	10/13/10 16:45	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C
75-01-4	Vinyl chloride	0.10 U	mg/L	0.10	10/13/10 15:00	10/13/10 16:45	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
71-55-6	1,1,1-Trichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
9-00-5	1,1,2-Trichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-34-3	1,1-Dichloroethane	1.0	U, J, QL-1	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
563-58-6	1,1-Dichloropropene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
96-18-4	1,2,3-Trichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	0.40	J, Q-2	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
95-50-1	1,2-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
107-06-2	1,2-Dichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
78-87-5	1,2-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
541-73-1	1,3-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
142-28-9	1,3-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
106-46-7	1,4-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
594-20-7	2,2-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
67-64-1	Acetone	8.0	U	mg/kg	8.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
71-43-2	Benzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-86-1	Bromobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
74-97-5	Bromochloromethane	1.0	U, J, QL-1	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
5-27-4	Bromodichloromethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-25-2	Bromoform	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	40 U	mg/kg	40	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-15-0	Carbon disulfide	0.42 J, Q-2	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
56-23-5	Carbon Tetrachloride	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-90-7	Chlorobenzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-00-3	Chloroethane	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
67-66-3	Chloroform	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
4-87-3	Chloromethane	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
110-82-7	Cyclohexane	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
124-48-1	Dibromochloromethane	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
74-95-3	Dibromomethane	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
100-41-4	Ethyl Benzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
87-68-3	Hexachlorobutadiene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
98-82-8	Isopropylbenzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
79-20-9	Methyl Acetate	2.0 U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
591-78-6	Methyl Butyl Ketone	2.0 U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
78-93-3	Methyl Ethyl Ketone	2.0 U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	2.0 U	mg/kg	2.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-87-2	Methylcyclohexane	0.24 J, Q-2	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-09-2	Methylene Chloride	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
104-51-8	n-Butylbenzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
103-65-1	n-Propylbenzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
95-49-8	o-Chlorotoluene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
95-47-6	o-Xylene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
106-43-4	p-Chlorotoluene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
9-87-6	p-Isopropyltoluene	38	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
135-98-8	sec-Butylbenzene	1.0 U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
100-42-5	Styrene	40 U	mg/kg	40	10/06/10 12:10	10/08/10 16:12	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRI	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
108-88-3	Toluene	280		mg/kg	10	10/06/10 12:10	10/07/10 14:16	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
75-01-4	Vinyl chloride	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 16:12	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	mg/kg	20	10/06/10 12:10	10/08/10 16:12	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
107-06-2	1,2-Dichloroethane:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
106-46-7	1,4-Dichlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
71-43-2	Benzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
56-23-5	Carbon Tetrachloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
108-90-7	Chlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
67-66-3	Chloroform:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
87-68-3	Hexachlorobutadiene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
78-93-3	Methyl Ethyl Ketone:	NA-5			0.0010	10/13/10 15:00	10/13/10 15:00	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
75-01-4	Vinyl chloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	2.9		mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
71-55-6	1,1,1-Trichloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
9-00-5	1,1,2-Trichloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-34-3	1,1-Dichloroethane	2.4	U, J, QL-1	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
563-58-6	1,1-Dichloropropene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
96-18-4	1,2,3-Trichloropropane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	1.3	J, Q-2	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
95-50-1	1,2-Dichlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
107-06-2	1,2-Dichloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
78-87-5	1,2-Dichloropropane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
541-73-1	1,3-Dichlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
142-28-9	1,3-Dichloropropane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
106-46-7	1,4-Dichlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
594-20-7	2,2-Dichloropropane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
67-64-1	Acetone	19	U	mg/kg	19	10/06/10 12:10	10/08/10 17:04	EPA 8260C
71-43-2	Benzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-86-1	Bromobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
74-97-5	Bromochloromethane	2.4	U, J, QL-1	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
5-27-4	Bromodichloromethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-25-2	Bromoform	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-BLab ID: E104009-09Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	97	U	mg/kg	97	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-15-0	Carbon disulfide	0.78	J, Q-2	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
56-23-5	Carbon Tetrachloride	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-90-7	Chlorobenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-00-3	Chloroethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
67-66-3	Chloroform	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
4-87-3	Chloromethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
110-82-7	Cyclohexane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
124-48-1	Dibromochloromethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
74-95-3	Dibromomethane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
100-41-4	Ethyl Benzene	0.92	J, Q-2	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
87-68-3	Hexachlorobutadiene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
98-82-8	Isopropylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
79-20-9	Methyl Acetate	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C
591-78-6	Methyl Butyl Ketone	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C
78-93-3	Methyl Ethyl Ketone	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	4.9	U	mg/kg	4.9	10/06/10 12:10	10/08/10 17:04	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-87-2	Methylcyclohexane	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-09-2	Methylene Chloride	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
104-51-8	n-Butylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
103-65-1	n-Propylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
95-49-8	o-Chlorotoluene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
95-47-6	o-Xylene	0.73	J, Q-2	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
106-43-4	p-Chlorotoluene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
9-87-6	p-Isopropyltoluene	170		mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
135-98-8	sec-Butylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
100-42-5	Styrene	97	U	mg/kg	97	10/06/10 12:10	10/08/10 17:04	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
108-88-3	Toluene	1400		mg/kg	9.7	10/06/10 12:10	10/07/10 13:51	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
5-69-4	Trichlorofluoromethane (Freon 11)	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
75-01-4	Vinyl chloride	2.4	U	mg/kg	2.4	10/06/10 12:10	10/08/10 17:04	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	50	U	mg/kg	50	10/06/10 12:10	10/08/10 17:04	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene):	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
107-06-2	1,2-Dichloroethane:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
106-46-7	1,4-Dichlorobenzene:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
71-43-2	Benzene:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
56-23-5	Carbon Tetrachloride:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
108-90-7	Chlorobenzene:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
67-66-3	Chloroform:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
87-68-3	Hexachlorobutadiene:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
78-93-3	Methyl Ethyl Ketone:	NA-5		0.0010	10/13/10 15:00	10/13/10 15:00	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene):	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene):	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
75-01-4	Vinyl chloride:	NA-5		0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
71-55-6	1,1,1-Trichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
9-00-5	1,1,2-Trichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-34-3	1,1-Dichloroethane	1.0	U, J, QL-1	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
563-58-6	1,1-Dichloropropene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
96-18-4	1,2,3-Trichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
95-50-1	1,2-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
107-06-2	1,2-Dichloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
78-87-5	1,2-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
541-73-1	1,3-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
142-28-9	1,3-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
106-46-7	1,4-Dichlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
594-20-7	2,2-Dichloropropane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
67-64-1	Acetone	8.0	U	mg/kg	8.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
71-43-2	Benzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-86-1	Bromobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
74-97-5	Bromochloromethane	1.0	U, J, QL-1	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
5-27-4	Bromodichloromethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-25-2	Bromoform	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: **HERC08**Lab ID: **E104009-10**Station ID: **HERC08**

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	40	U	mg/kg	40	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-15-0	Carbon disulfide	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
56-23-5	Carbon Tetrachloride	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-90-7	Chlorobenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-00-3	Chloroethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
67-66-3	Chloroform	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
74-87-3	Chloromethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
110-82-7	Cyclohexane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
124-48-1	Dibromochloromethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
74-95-3	Dibromomethane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
100-41-4	Ethyl Benzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
87-68-3	Hexachlorobutadiene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
98-82-8	Isopropylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
79-20-9	Methyl Acetate	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
591-78-6	Methyl Butyl Ketone	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
78-93-3	Methyl Ethyl Ketone	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	2.0	U	mg/kg	2.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-87-2	Methylcyclohexane	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-09-2	Methylene Chloride	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
104-51-8	n-Butylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
103-65-1	n-Propylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
95-49-8	o-Chlorotoluene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
95-47-6	o-Xylene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
106-43-4	p-Chlorotoluene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
99-87-6	p-Isopropyltoluene	2.6		mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
135-98-8	sec-Butylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
100-42-5	Styrene	40	U	mg/kg	40	10/06/10 12:10	10/08/10 15:20	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
108-88-3	Toluene	34		mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
5-69-4	Trichlorofluoromethane (Freon 11)	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
75-01-4	Vinyl chloride	1.0	U	mg/kg	1.0	10/06/10 12:10	10/08/10 15:20	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	20	U	mg/kg	20	10/06/10 12:10	10/08/10 15:20	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
107-06-2	1,2-Dichloroethane:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
106-46-7	1,4-Dichlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
71-43-2	Benzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
56-23-5	Carbon Tetrachloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
108-90-7	Chlorobenzene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
67-66-3	Chloroform:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
87-68-3	Hexachlorobutadiene:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
78-93-3	Methyl Ethyl Ketone:	NA-5			0.0010	10/13/10 15:00	10/13/10 15:00	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene):	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C
75-01-4	Vinyl chloride:	NA-5			0.00050	10/13/10 15:00	10/13/10 15:00	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-BLab ID: E104009-11Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	3.2		mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
71-55-6	1,1,1-Trichloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
9-00-5	1,1,2-Trichloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-34-3	1,1-Dichloroethane	2.5	U, J, QL-1	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
563-58-6	1,1-Dichloropropene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
96-18-4	1,2,3-Trichloropropane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	3.0		mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
95-50-1	1,2-Dichlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
107-06-2	1,2-Dichloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
78-87-5	1,2-Dichloropropane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
541-73-1	1,3-Dichlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
142-28-9	1,3-Dichloropropane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
106-46-7	1,4-Dichlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
594-20-7	2,2-Dichloropropane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
67-64-1	Acetone	20	U	mg/kg	20	10/06/10 12:10	10/08/10 17:30	EPA 8260C
71-43-2	Benzene	170		mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-86-1	Bromobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
74-97-5	Bromochloromethane	2.5	U, J, QL-1	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
5-27-4	Bromodichloromethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-25-2	Bromoform	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	100	U	mg/kg	100	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-15-0	Carbon disulfide	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
56-23-5	Carbon Tetrachloride	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-90-7	Chlorobenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-00-3	Chloroethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
67-66-3	Chloroform	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
74-87-3	Chloromethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
110-82-7	Cyclohexane	29		mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
124-48-1	Dibromochloromethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
74-95-3	Dibromomethane	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
100-41-4	Ethyl Benzene	1.0	J, Q-2	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
87-68-3	Hexachlorobutadiene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
98-82-8	Isopropylbenzene	6.0	U, D-4	mg/kg	6.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
79-20-9	Methyl Acetate	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
591-78-6	Methyl Butyl Ketone	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
78-93-3	Methyl Ethyl Ketone	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	5.0	U	mg/kg	5.0	10/06/10 12:10	10/08/10 17:30	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-87-2	Methylcyclohexane	8.2		mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-09-2	Methylene Chloride	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
104-51-8	n-Butylbenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
103-65-1	n-Propylbenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
95-49-8	o-Chlorotoluene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
95-47-6	o-Xylene	1.0	J, Q-2	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
106-43-4	p-Chlorotoluene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
98-07-6	p-Isopropyltoluene	610		mg/kg	25	10/06/10 12:10	10/07/10 17:17	EPA 8260C
135-98-8	sec-Butylbenzene	2.5	U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
100-42-5	Styrene	100	U	mg/kg	100	10/06/10 12:10	10/08/10 17:30	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results - Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
108-88-3	Toluene	1100	mg/kg	25	10/06/10 12:10	10/07/10 17:17	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
75-01-4	Vinyl chloride	2.5 U	mg/kg	2.5	10/06/10 12:10	10/08/10 17:30	EPA 8260C
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	50 U	mg/kg	50	10/06/10 12:10	10/08/10 17:30	EPA 8260C



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Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
107-06-2	1,2-Dichloroethane	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
71-43-2	Benzene	1.8		mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
56-23-5	Carbon Tetrachloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
108-90-7	Chlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
67-66-3	Chloroform	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
87-68-3	Hexachlorobutadiene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.50	U	mg/L	0.50	10/13/10 15:00	10/13/10 17:11	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C
75-01-4	Vinyl chloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:11	EPA 8260C



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Region 4 Science and Ecosystem Support Division
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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
71-55-6	1,1,1-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
9-00-5	1,1,2-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-34-3	1,1-Dichloroethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
563-58-6	1,1-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
96-18-4	1,2,3-Trichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	7.0	J, Q-2, QR-1	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
95-50-1	1,2-Dichlorobenzene	34		mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
107-06-2	1,2-Dichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
78-87-5	1,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
541-73-1	1,3-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
142-28-9	1,3-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
106-46-7	1,4-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
594-20-7	2,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
67-64-1	Acetone	200	U	mg/kg	200	10/06/10 12:10	10/07/10 17:43	EPA 8260C
71-43-2	Benzene	140		mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-86-1	Bromobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
74-97-5	Bromochloromethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
5-27-4	Bromodichloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-25-2	Bromoform	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-BLab ID: E104009-12Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	100	U	mg/kg	100	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-15-0	Carbon disulfide	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
56-23-5	Carbon Tetrachloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-90-7	Chlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-00-3	Chloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
67-66-3	Chloroform	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
4-87-3	Chloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
110-82-7	Cyclohexane	1500		mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
124-48-1	Dibromochloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
74-95-3	Dibromomethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
100-41-4	Ethyl Benzene	4.0	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
98-82-8	Isopropylbenzene	70	U, D-4	mg/kg	70	10/06/10 12:10	10/07/10 17:43	EPA 8260C
79-20-9	Methyl Acetate	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C
591-78-6	Methyl Butyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C
78-93-3	Methyl Ethyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 17:43	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-87-2	Methylcyclohexane	12	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-09-2	Methylene Chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
104-51-8	n-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
103-65-1	n-Propylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
95-49-8	o-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
95-47-6	o-Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
106-43-4	p-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
9-87-6	p-Isopropyltoluene	3400		mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
135-98-8	sec-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
100-42-5	Styrene	100	U	mg/kg	100	10/06/10 12:10	10/07/10 17:43	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
108-88-3	Toluene	3100		mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
75-01-4	Vinyl chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 17:43	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	500	U	mg/kg	500	10/06/10 12:10	10/07/10 17:43	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
107-06-2	1,2-Dichloroethane	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
71-43-2	Benzene	2.2		mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
56-23-5	Carbon Tetrachloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
108-90-7	Chlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
67-66-3	Chloroform	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
87-68-3	Hexachlorobutadiene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.50	U	mg/L	0.50	10/13/10 15:00	10/13/10 17:37	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C
75-01-4	Vinyl chloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 17:37	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-BLab ID: E104009-13Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
71-55-6	1,1,1-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
79-00-5	1,1,2-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-34-3	1,1-Dichloroethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
563-58-6	1,1-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
96-18-4	1,2,3-Trichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	25	U, J, QR-1	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
95-50-1	1,2-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
107-06-2	1,2-Dichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
78-87-5	1,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
541-73-1	1,3-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
142-28-9	1,3-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
106-46-7	1,4-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
594-20-7	2,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
67-64-1	Acetone	200	U	mg/kg	200	10/06/10 12:10	10/07/10 18:09	EPA 8260C
71-43-2	Benzene	77		mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-86-1	Bromobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
74-97-5	Bromochloromethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-27-4	Bromodichloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-25-2	Bromoform	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-BLab ID: E104009-13Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MR	Prepared	Analyzed	Method
74-83-9	Bromomethane	98	U	mg/kg	98	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-15-0	Carbon disulfide	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
56-23-5	Carbon Tetrachloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-90-7	Chlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-00-3	Chloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
67-66-3	Chloroform	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
4-87-3	Chloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
110-82-7	Cyclohexane	100		mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
124-48-1	Dibromochloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
74-95-3	Dibromomethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
100-41-4	Ethyl Benzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
98-82-8	Isopropylbenzene	26	U, D-4	mg/kg	26	10/06/10 12:10	10/07/10 18:09	EPA 8260C
79-20-9	Methyl Acetate	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C
591-78-6	Methyl Butyl Ketone	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C
78-93-3	Methyl Ethyl Ketone	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	49	U	mg/kg	49	10/06/10 12:10	10/07/10 18:09	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-87-2	Methylcyclohexane	7.4	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-09-2	Methylene Chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
104-51-8	n-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
103-65-1	n-Propylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
95-49-8	o-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
95-47-6	o-Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
106-43-4	p-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
9-87-6	p-Isopropyltoluene	720		mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
135-98-8	sec-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
100-42-5	Styrene	98	U	mg/kg	98	10/06/10 12:10	10/07/10 18:09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
108-88-3	Toluene	2600	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
75-01-4	Vinyl chloride	25 U	mg/kg	25	10/06/10 12:10	10/07/10 18:09	EPA 8260C
Tentatively Identified Compounds:							
R4-0000	Tentatively Identified Compounds	500 U	mg/kg	500	10/06/10 12:10	10/07/10 18:09	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

<i>CAS Number</i>	<i>Analyte</i>	<i>Results Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
107-06-2	1,2-Dichloroethane	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
71-43-2	Benzene	0.54 J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
56-23-5	Carbon Tetrachloride	0.025 U, J, H-8, QL-3	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
108-90-7	Chlorobenzene	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
67-66-3	Chloroform	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
87-68-3	Hexachlorobutadiene	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.050 U, J, H-8	mg/L	0.050	10/21/10 15:00	10/21/10 18:54	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C
75-01-4	Vinyl chloride	0.025 U, J, H-8	mg/L	0.025	10/21/10 15:00	10/21/10 18:54	EPA 8260C



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-BLab ID: E104009-14Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
71-55-6	1,1,1-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
9-00-5	1,1,2-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-34-3	1,1-Dichloroethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
563-58-6	1,1-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
96-18-4	1,2,3-Trichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	5.0	J, Q-2, QR-1	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
95-50-1	1,2-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
107-06-2	1,2-Dichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
78-87-5	1,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
541-73-1	1,3-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
142-28-9	1,3-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
106-46-7	1,4-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
594-20-7	2,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
67-64-1	Acetone	200	U	mg/kg	200	10/06/10 12:10	10/07/10 18:35	EPA 8260C
71-43-2	Benzene	440		mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-86-1	Bromobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
74-97-5	Bromochloromethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-27-4	Bromodichloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-25-2	Bromoform	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-BLab ID: E104009-14Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	100	U	mg/kg	100	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-15-0	Carbon disulfide	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
56-23-5	Carbon Tetrachloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-90-7	Chlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-00-3	Chloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
67-66-3	Chloroform	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
74-87-3	Chloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
110-82-7	Cyclohexane	48		mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
124-48-1	Dibromochloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
74-95-3	Dibromomethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
100-41-4	Ethyl Benzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
98-82-8	Isopropylbenzene	47		mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
79-20-9	Methyl Acetate	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C
591-78-6	Methyl Butyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C
78-93-3	Methyl Ethyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 18:35	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-87-2	Methylcyclohexane	11	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-09-2	Methylene Chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
104-51-8	n-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
103-65-1	n-Propylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
95-49-8	o-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
95-47-6	o-Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
106-43-4	p-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
99-87-6	p-Isopropyltoluene	2400		mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
135-98-8	sec-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
100-42-5	Styrene	100	U	mg/kg	100	10/06/10 12:10	10/07/10 18:35	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
108-88-3	Toluene	160		mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-69-4	Trichlorofluoromethane (Freon 11)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
75-01-4	Vinyl chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 18:35	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	500	U	mg/kg	500	10/06/10 12:10	10/07/10 18:35	EPA 8260C



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
107-06-2	1,2-Dichloroethane	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
71-43-2	Benzene	1.8	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
56-23-5	Carbon Tetrachloride	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
108-90-7	Chlorobenzene	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
67-66-3	Chloroform	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
87-68-3	Hexachlorobutadiene	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.50 U	mg/L	0.50	10/13/10 15:00	10/13/10 18:29	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C
75-01-4	Vinyl chloride	0.25 U	mg/L	0.25	10/13/10 15:00	10/13/10 18:29	EPA 8260C



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: **HERC13-B**

Lab ID: **E104009-15**

Station ID: **HERC13**

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
R4-7156	(m- and/or p-)Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
630-20-6	1,1,1,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
71-55-6	1,1,1-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
79-34-5	1,1,2,2-Tetrachloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
79-00-5	1,1,2-Trichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-34-3	1,1-Dichloroethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
563-58-6	1,1-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
87-61-6	1,2,3-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
96-18-4	1,2,3-Trichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
120-82-1	1,2,4-Trichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
95-63-6	1,2,4-Trimethylbenzene	5.5	J, Q-2, QR-1	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	50	U	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C
106-93-4	1,2-Dibromoethane (EDB)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
95-50-1	1,2-Dichlorobenzene	31		mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
107-06-2	1,2-Dichloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
78-87-5	1,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-67-8	1,3,5-Trimethylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
541-73-1	1,3-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
142-28-9	1,3-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
106-46-7	1,4-Dichlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
594-20-7	2,2-Dichloropropane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
67-64-1	Acetone	200	U	mg/kg	200	10/06/10 12:10	10/07/10 19:01	EPA 8260C
71-43-2	Benzene	390		mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-86-1	Bromobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
74-97-5	Bromochloromethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-27-4	Bromodichloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-25-2	Bromoform	50	U	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC13-BLab ID: E104009-15Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
74-83-9	Bromomethane	100	U	mg/kg	100	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-15-0	Carbon disulfide	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
56-23-5	Carbon Tetrachloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-90-7	Chlorobenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-00-3	Chloroethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
67-66-3	Chloroform	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
74-87-3	Chloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
156-59-2	cis-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
10061-01-5	cis-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
110-82-7	Cyclohexane	870		mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
124-48-1	Dibromochloromethane	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
74-95-3	Dibromomethane	25	U, J, QL-1	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-71-8	Dichlorodifluoromethane (Freon 12)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
100-41-4	Ethyl Benzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
87-68-3	Hexachlorobutadiene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
98-82-8	Isopropylbenzene	330	U, D-4	mg/kg	330	10/06/10 12:10	10/07/10 19:01	EPA 8260C
79-20-9	Methyl Acetate	50	U	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C
591-78-6	Methyl Butyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C
78-93-3	Methyl Ethyl Ketone	50	U	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-10-1	Methyl Isobutyl Ketone	11	J, Q-2	mg/kg	50	10/06/10 12:10	10/07/10 19:01	EPA 8260C
1634-04-4	Methyl T-Butyl Ether (MTBE)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-87-2	Methylcyclohexane	10	J, Q-2	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-09-2	Methylene Chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
104-51-8	n-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
103-65-1	n-Propylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
95-49-8	o-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
95-47-6	o-Xylene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
106-43-4	p-Chlorotoluene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
99-87-6	p-Isopropyltoluene	3100		mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
135-98-8	sec-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
100-42-5	Styrene	100	U	mg/kg	100	10/06/10 12:10	10/07/10 19:01	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

Volatile Organics

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
98-06-6	tert-Butylbenzene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
108-88-3	Toluene	3400		mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
156-60-5	trans-1,2-Dichloroethene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
10061-02-6	trans-1,3-Dichloropropene	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
5-69-4	Trichlorofluoromethane (Freon 11)	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
75-01-4	Vinyl chloride	25	U	mg/kg	25	10/06/10 12:10	10/07/10 19:01	EPA 8260C
Tentatively Identified Compounds:								
R4-0000	Tentatively Identified Compounds	500	U	mg/kg	500	10/06/10 12:10	10/07/10 19:01	EPA 8260C



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Kristin Trapp

TCLP Volatiles

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
75-35-4	1,1-Dichloroethene (1,1-Dichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
107-06-2	1,2-Dichloroethane	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
106-46-7	1,4-Dichlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
71-43-2	Benzene	3.6		mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
56-23-5	Carbon Tetrachloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
108-90-7	Chlorobenzene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
67-66-3	Chloroform	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
87-68-3	Hexachlorobutadiene	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
78-93-3	Methyl Ethyl Ketone	0.50	U	mg/L	0.50	10/13/10 15:00	10/13/10 18:54	EPA 8260C
127-18-4	Tetrachloroethene (Tetrachloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
79-01-6	Trichloroethene (Trichloroethylene)	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C
75-01-4	Vinyl chloride	0.25	U	mg/L	0.25	10/13/10 15:00	10/13/10 18:54	EPA 8260C





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

January 4, 2011

4SESD-ASB

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 10-0629, Hercules Inc
Civil Enforcement

FROM: Jenny Scifres
ASB Inorganic Chemistry Section Chief

THRU: Gary Bennett, Chief
Analytical Support Branch

TO: Sharon Matthews

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the Analytical Support Branch's (ASB) Laboratory Operations and Quality Assurance Manual (ASB LOQAM) found at www.epa.gov/region4/sesd/asbsop. Any unique project data quality objectives specified in writing by the data requestor have also been incorporated into the data unless otherwise noted in the Report Narrative. Chemistry data have been verified based on the ASB LOQAM specifications and may have been qualified if the applicable quality control criteria were not met. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report. The reported results are representative only of the samples as received by the laboratory.

Analyses Included in this report:

Method Used:

TCLP Metals (TCLPM)

TCLP Metals

EPA 6010

Total Metals (TMTL)

Total Metals

EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Report Narrative for Work Order E104009, Project: 10-0629
Tin not reported per Project Leader. There is tin in reagents used for digesting the samples.

Sample Disposal Policy

Because of the laboratory's limited space for long term sample storage, our policy is to dispose of samples on a periodic schedule. Please note that within 60 days of this memo, the original samples and all sample extracts and/or sample digestates will be disposed of in accordance with applicable regulations. The 60-day sample disposal policy does not apply to criminal samples which are held until the laboratory is notified by the criminal investigators that case development and litigation are complete.

These samples may be held in the laboratory's custody for a longer period of time if you have a special project need. If you wish for the laboratory to hold samples beyond the 60-day period, please contact our Sample Control Coordinator, Debbie Colquitt, by e-mail at Colquitt.Debbie@epa.gov, and provide a reason for holding samples beyond 60 days



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

SAMPLES INCLUDED IN THIS REPORT

Project: 10-0629, Hercules Inc

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
ERB01	E104009-01	Equipment Rinse Blank	9/23/10 13:30	10/1/10 8:35
PB01	E104009-02	Preservative Blank	9/23/10 13:30	10/1/10 8:35
HERC01-A	E104009-03	Waste	9/28/10 10:10	10/1/10 8:35
HERC02-B	E104009-04	Waste	9/28/10 10:55	10/1/10 8:35
HERC03-B	E104009-05	Waste	9/28/10 13:15	10/1/10 8:35
HERC04-B	E104009-06	Waste	9/28/10 13:50	10/1/10 8:35
HERC05-A	E104009-07	Waste	9/28/10 14:05	10/1/10 8:35
HERC06-B	E104009-08	Waste	9/28/10 14:55	10/1/10 8:35
HERC07-B	E104009-09	Waste	9/28/10 15:25	10/1/10 8:35
HERC08	E104009-10	Waste	9/29/10 08:50	10/1/10 8:35
HERC09-B	E104009-11	Waste	9/29/10 14:20	10/1/10 8:35
HERC10-B	E104009-12	Waste	9/29/10 14:15	10/1/10 8:35
HERC11-B	E104009-13	Waste	9/29/10 14:30	10/1/10 8:35
HERC12-B	E104009-14	Waste	9/29/10 14:50	10/1/10 8:35
HERC13-B	E104009-15	Waste	9/29/10 15:10	10/1/10 8:35



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
NA-5	Not Analyzed. Cannot exceed TCLP regulatory levels based on Total Scan analyses.
QM-1	Matrix Spike Recovery less than method control limits
QM-2	Matrix Spike Recovery greater than method control limits
QM-3	Matrix Spike Precision outside method control limits
QR-2	MRL verification recovery greater than upper control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	100 U	ug/L	100	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-36-0	Antimony	40 U	ug/L	40	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-38-2	Arsenic	50 U	ug/L	50	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-39-3	Barium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-41-7	Beryllium	3.0 U	ug/L	3.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-43-9	Cadmium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-70-2	Calcium	250 U	ug/L	250	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-47-3	Chromium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-48-4	Cobalt	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-50-8	Copper	10 U	ug/L	10	12/03/10 11:07	12/20/10 13:47	EPA 6010
7439-89-6	Iron	100 U	ug/L	100	12/03/10 11:07	12/20/10 13:47	EPA 6010
7439-92-1	Lead	20 U	ug/L	20	12/03/10 11:07	12/20/10 13:47	EPA 6010
7439-95-4	Magnesium	250 U	ug/L	250	12/03/10 11:07	12/20/10 13:47	EPA 6010
7439-96-5	Manganese	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7439-98-7	Molybdenum	10 U	ug/L	10	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-02-0	Nickel	10 U	ug/L	10	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-09-7	Potassium	1000 U	ug/L	1000	12/03/10 11:07	12/20/10 13:47	EPA 6010
7782-49-2	Selenium	45 U	ug/L	45	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-22-4	Silver	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-23-5	Sodium	1000 U	ug/L	1000	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-24-6	Strontium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-28-0	Thallium	30 U	ug/L	30	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-32-6	Titanium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-62-2	Vanadium	5.0 U	ug/L	5.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-65-5	Yttrium	3.0 U	ug/L	3.0	12/03/10 11:07	12/20/10 13:47	EPA 6010
7440-66-6	Zinc	10 U	ug/L	10	12/03/10 11:07	12/20/10 13:47	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: ERB01

Lab ID: E104009-01

Station ID:

Matrix: Equipment Rinse Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:		NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:		NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:		NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: PB01

Lab ID: E104009-02

Station ID:

Matrix: Preservative Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	100	U	ug/L	100	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-36-0	Antimony	40	U	ug/L	40	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-38-2	Arsenic	50	U	ug/L	50	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-39-3	Barium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-41-7	Beryllium	3.0	U	ug/L	3.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-43-9	Cadmium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-70-2	Calcium	250	U	ug/L	250	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-47-3	Chromium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-48-4	Cobalt	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-50-8	Copper	10	U	ug/L	10	12/03/10 11:07	12/20/10 14:08	EPA 6010
7439-89-6	Iron	100	U	ug/L	100	12/03/10 11:07	12/20/10 14:08	EPA 6010
7439-92-1	Lead	20	U	ug/L	20	12/03/10 11:07	12/20/10 14:08	EPA 6010
7439-95-4	Magnesium	250	U	ug/L	250	12/03/10 11:07	12/20/10 14:08	EPA 6010
7439-96-5	Manganese	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7439-98-7	Molybdenum	10	U	ug/L	10	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-02-0	Nickel	10	U	ug/L	10	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-09-7	Potassium	1000	U	ug/L	1000	12/03/10 11:07	12/20/10 14:08	EPA 6010
7782-49-2	Selenium	45	U	ug/L	45	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-22-4	Silver	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-23-5	Sodium	1000	U	ug/L	1000	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-24-6	Strontium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-28-0	Thallium	30	U	ug/L	30	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-32-6	Titanium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-62-2	Vanadium	5.0	U	ug/L	5.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-65-5	Yttrium	3.0	U	ug/L	3.0	12/03/10 11:07	12/20/10 14:08	EPA 6010
7440-66-6	Zinc	10	U	ug/L	10	12/03/10 11:07	12/20/10 14:08	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: PB01

Lab ID: E104009-02

Station ID:

Matrix: Preservative Blank

Date Collected: 9/23/10 13:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6600		mg/kg	9.3	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-36-0	Antimony	3.7	U	mg/kg	3.7	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-38-2	Arsenic	4.7	U	mg/kg	4.7	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-39-3	Barium	18		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-41-7	Beryllium	0.28	U	mg/kg	0.28	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-43-9	Cadmium	0.47	U	mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-70-2	Calcium	75	J, QM-2, QM-3	mg/kg	23	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-47-3	Chromium	24		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-48-4	Cobalt	7.9		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-50-8	Copper	69	J, QM-2, QM-3	mg/kg	0.93	12/09/10 14:01	12/20/10 15:10	EPA 6010
7439-89-6	Iron	1200	J, QM-2	mg/kg	9.3	12/09/10 14:01	12/20/10 15:10	EPA 6010
7439-92-1	Lead	23		mg/kg	1.9	12/09/10 14:01	12/20/10 15:10	EPA 6010
7439-95-4	Magnesium	65		mg/kg	23	12/09/10 14:01	12/20/10 15:10	EPA 6010
7439-96-5	Manganese	4.6		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7439-98-7	Molybdenum	8.0		mg/kg	0.93	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-02-0	Nickel	71	J, QM-2, QM-3	mg/kg	0.93	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-09-7	Potassium	93	U	mg/kg	93	12/09/10 14:01	12/20/10 15:10	EPA 6010
7782-49-2	Selenium	4.2	U	mg/kg	4.2	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-22-4	Silver	0.47	U	mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-23-5	Sodium	170	J, QR-2	mg/kg	93	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-24-6	Strontium	2.1		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-28-0	Thallium	2.8	U, J, QM-1	mg/kg	2.8	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-32-6	Titanium	32		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-62-2	Vanadium	4.3		mg/kg	0.47	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-65-5	Yttrium	0.58		mg/kg	0.28	12/09/10 14:01	12/20/10 15:10	EPA 6010
7440-66-6	Zinc	270	J, QM-2, QM-3	mg/kg	1.9	12/09/10 14:01	12/20/10 15:10	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC01-A

Lab ID: E104009-03

Station ID: HERC01

Matrix: Waste

Date Collected: 9/28/10 10:10

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



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Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: **HERC02-B**

Lab ID: **E104009-04**

Station ID: **HERC02**

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	4900		mg/kg	9.8	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-36-0	Antimony	3.9	U	mg/kg	3.9	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-38-2	Arsenic	4.9	U	mg/kg	4.9	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-39-3	Barium	18		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-70-2	Calcium	58		mg/kg	25	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-47-3	Chromium	11		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-48-4	Cobalt	14		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-50-8	Copper	44		mg/kg	0.98	12/09/10 14:01	12/20/10 15:33	EPA 6010
7439-89-6	Iron	1600		mg/kg	9.8	12/09/10 14:01	12/20/10 15:33	EPA 6010
7439-92-1	Lead	60		mg/kg	2.0	12/09/10 14:01	12/20/10 15:33	EPA 6010
7439-95-4	Magnesium	45		mg/kg	25	12/09/10 14:01	12/20/10 15:33	EPA 6010
7439-96-5	Manganese	3.8		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7439-98-7	Molybdenum	3.1		mg/kg	0.98	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-02-0	Nickel	120		mg/kg	0.98	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-09-7	Potassium	98	U	mg/kg	98	12/09/10 14:01	12/20/10 15:33	EPA 6010
7782-49-2	Selenium	4.4	U	mg/kg	4.4	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-22-4	Silver	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-23-5	Sodium	150	J, QR-2	mg/kg	98	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-24-6	Strontium	1.6		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-32-6	Titanium	17		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-62-2	Vanadium	2.1		mg/kg	0.49	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-65-5	Yttrium	0.57		mg/kg	0.29	12/09/10 14:01	12/20/10 15:33	EPA 6010
7440-66-6	Zinc	120		mg/kg	2.0	12/09/10 14:01	12/20/10 15:33	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC02-B

Lab ID: E104009-04

Station ID: HERC02

Matrix: Waste

Date Collected: 9/28/10 10:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5700		mg/kg	9.2	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-36-0	Antimony	3.7	U	mg/kg	3.7	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-38-2	Arsenic	4.6	U	mg/kg	4.6	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-39-3	Barium	21		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-41-7	Beryllium	0.27	U	mg/kg	0.27	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-43-9	Cadmium	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-70-2	Calcium	210		mg/kg	23	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-47-3	Chromium	7.7		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-48-4	Cobalt	2.9		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-50-8	Copper	29		mg/kg	0.92	12/09/10 14:01	12/20/10 15:41	EPA 6010
7439-89-6	Iron	4300		mg/kg	9.2	12/09/10 14:01	12/20/10 15:41	EPA 6010
7439-92-1	Lead	9.1		mg/kg	1.8	12/09/10 14:01	12/20/10 15:41	EPA 6010
7439-95-4	Magnesium	230		mg/kg	23	12/09/10 14:01	12/20/10 15:41	EPA 6010
7439-96-5	Manganese	31		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7439-98-7	Molybdenum	0.92	U	mg/kg	0.92	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-02-0	Nickel	80		mg/kg	0.92	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-09-7	Potassium	180		mg/kg	92	12/09/10 14:01	12/20/10 15:41	EPA 6010
7782-49-2	Selenium	4.1	U	mg/kg	4.1	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-22-4	Silver	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-23-5	Sodium	92	U	mg/kg	92	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-24-6	Strontium	2.1		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-28-0	Thallium	2.7	U	mg/kg	2.7	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-32-6	Titanium	62		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-62-2	Vanadium	8.7		mg/kg	0.46	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg	0.27	12/09/10 14:01	12/20/10 15:41	EPA 6010
7440-66-6	Zinc	68		mg/kg	1.8	12/09/10 14:01	12/20/10 15:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC03-B

Lab ID: E104009-05

Station ID: HERC03

Matrix: Waste

Date Collected: 9/28/10 13:15

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5200		mg/kg	9.1	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-36-0	Antimony	3.6	U	mg/kg	3.6	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-38-2	Arsenic	6.4		mg/kg	4.6	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-39-3	Barium	27		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-41-7	Beryllium	0.27	U	mg/kg	0.27	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-43-9	Cadmium	0.46		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-70-2	Calcium	400		mg/kg	23	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-47-3	Chromium	29		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-48-4	Cobalt	14		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-50-8	Copper	100		mg/kg	0.91	12/09/10 14:01	12/20/10 15:49	EPA 6010
7439-89-6	Iron	3400		mg/kg	9.1	12/09/10 14:01	12/20/10 15:49	EPA 6010
7439-92-1	Lead	26		mg/kg	1.8	12/09/10 14:01	12/20/10 15:49	EPA 6010
7439-95-4	Magnesium	76		mg/kg	23	12/09/10 14:01	12/20/10 15:49	EPA 6010
7439-96-5	Manganese	14		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7439-98-7	Molybdenum	4.0		mg/kg	0.91	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-02-0	Nickel	200		mg/kg	0.91	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-09-7	Potassium	96		mg/kg	91	12/09/10 14:01	12/20/10 15:49	EPA 6010
7782-49-2	Selenium	4.1	U	mg/kg	4.1	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-22-4	Silver	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-23-5	Sodium	130	J, QR-2	mg/kg	91	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-24-6	Strontium	6.1		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-28-0	Thallium	2.7	U	mg/kg	2.7	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-32-6	Titanium	42		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-62-2	Vanadium	5.6		mg/kg	0.46	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-65-5	Yttrium	0.99		mg/kg	0.27	12/09/10 14:01	12/20/10 15:49	EPA 6010
7440-66-6	Zinc	510		mg/kg	1.8	12/09/10 14:01	12/20/10 15:49	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC04-B

Lab ID: E104009-06

Station ID: HERC04

Matrix: Waste

Date Collected: 9/28/10 13:50

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5100		mg/kg	9.7	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-36-0	Antimony	3.9	U	mg/kg	3.9	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-38-2	Arsenic	5.6		mg/kg	4.9	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-39-3	Barium	35		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-43-9	Cadmium	0.49		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-70-2	Calcium	2000		mg/kg	24	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-47-3	Chromium	45		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-48-4	Cobalt	17		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-50-8	Copper	84		mg/kg	0.97	12/09/10 14:01	12/20/10 15:56	EPA 6010
7439-89-6	Iron	4600		mg/kg	9.7	12/09/10 14:01	12/20/10 15:56	EPA 6010
7439-92-1	Lead	34		mg/kg	1.9	12/09/10 14:01	12/20/10 15:56	EPA 6010
7439-95-4	Magnesium	170		mg/kg	24	12/09/10 14:01	12/20/10 15:56	EPA 6010
7439-96-5	Manganese	32		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7439-98-7	Molybdenum	4.8		mg/kg	0.97	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-02-0	Nickel	210		mg/kg	0.97	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-09-7	Potassium	110		mg/kg	97	12/09/10 14:01	12/20/10 15:56	EPA 6010
7782-49-2	Selenium	4.4	U	mg/kg	4.4	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-22-4	Silver	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-23-5	Sodium	460	J, QR-2	mg/kg	97	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-24-6	Strontium	8.9		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-32-6	Titanium	51		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-62-2	Vanadium	6.6		mg/kg	0.49	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-65-5	Yttrium	1.1		mg/kg	0.29	12/09/10 14:01	12/20/10 15:56	EPA 6010
7440-66-6	Zinc	690		mg/kg	1.9	12/09/10 14:01	12/20/10 15:56	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC05-A

Lab ID: E104009-07

Station ID: HERC05

Matrix: Waste

Date Collected: 9/28/10 14:05

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	5800		mg/kg	9.9	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-36-0	Antimony	3.9	U, J, QM-1	mg/kg	3.9	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-38-2	Arsenic	4.9	U	mg/kg	4.9	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-39-3	Barium	100	J, QM-2	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-41-7	Beryllium	0.30	U	mg/kg	0.30	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-70-2	Calcium	5000		mg/kg	25	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-47-3	Chromium	20	J, QM-1	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-48-4	Cobalt	7.2		mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-50-8	Copper	27	J, QM-1, QM-3	mg/kg	0.99	12/09/10 14:01	12/20/10 16:04	EPA 6010
7439-89-6	Iron	4000	J, QM-2, QM-3	mg/kg	9.9	12/09/10 14:01	12/20/10 16:04	EPA 6010
7439-92-1	Lead	22		mg/kg	2.0	12/09/10 14:01	12/20/10 16:04	EPA 6010
7439-95-4	Magnesium	440	J, QM-2	mg/kg	25	12/09/10 14:01	12/20/10 16:04	EPA 6010
7439-96-5	Manganese	200	J, QM-2, QM-3	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7439-98-7	Molybdenum	21	J, QM-1	mg/kg	0.99	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-02-0	Nickel	54	J, QM-2	mg/kg	0.99	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-09-7	Potassium	160		mg/kg	99	12/09/10 14:01	12/20/10 16:04	EPA 6010
7782-49-2	Selenium	4.4	U	mg/kg	4.4	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-22-4	Silver	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-23-5	Sodium	180	J, QR-2	mg/kg	99	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-24-6	Strontium	34	J, QM-2	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-28-0	Thallium	3.0	U, J, QM-1	mg/kg	3.0	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-32-6	Titanium	56	J, QM-2	mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-62-2	Vanadium	3.9		mg/kg	0.49	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-65-5	Yttrium	1.9		mg/kg	0.30	12/09/10 14:01	12/20/10 16:04	EPA 6010
7440-66-6	Zinc	500	J, QM-1, QM-3	mg/kg	2.0	12/09/10 14:01	12/20/10 16:04	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC06-B

Lab ID: E104009-08

Station ID: HERC06

Matrix: Waste

Date Collected: 9/28/10 14:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6700	mg/kg	9.5	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-36-0	Antimony	3.8 U	mg/kg	3.8	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-38-2	Arsenic	4.8 U	mg/kg	4.8	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-39-3	Barium	23	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-41-7	Beryllium	0.29 U	mg/kg	0.29	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-43-9	Cadmium	0.48	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-70-2	Calcium	710	mg/kg	24	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-47-3	Chromium	32	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-48-4	Cobalt	9.5	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-50-8	Copper	26	mg/kg	0.95	12/09/10 14:01	12/20/10 17:04	EPA 6010
7439-89-6	Iron	5200	mg/kg	9.5	12/09/10 14:01	12/20/10 17:04	EPA 6010
7439-92-1	Lead	23	mg/kg	1.9	12/09/10 14:01	12/20/10 17:04	EPA 6010
7439-95-4	Magnesium	62	mg/kg	24	12/09/10 14:01	12/20/10 17:04	EPA 6010
7439-96-5	Manganese	37	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7439-98-7	Molybdenum	40	mg/kg	0.95	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-02-0	Nickel	44	mg/kg	0.95	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-09-7	Potassium	95 U	mg/kg	95	12/09/10 14:01	12/20/10 17:04	EPA 6010
7782-49-2	Selenium	4.3 U	mg/kg	4.3	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-22-4	Silver	0.48 U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-23-5	Sodium	130 J, QR-2	mg/kg	95	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-24-6	Strontium	8.9	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-28-0	Thallium	2.9 U	mg/kg	2.9	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-32-6	Titanium	22	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-62-2	Vanadium	2.8	mg/kg	0.48	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-65-5	Yttrium	1.7	mg/kg	0.29	12/09/10 14:01	12/20/10 17:04	EPA 6010
7440-66-6	Zinc	650	mg/kg	1.9	12/09/10 14:01	12/20/10 17:04	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC07-B

Lab ID: E104009-09

Station ID: HERC07

Matrix: Waste

Date Collected: 9/28/10 15:25

<i>CAS Number</i>	<i>Analyte</i>	<i>Results</i>	<i>Qualifiers</i>	<i>Units</i>	<i>MRL</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Method</i>
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7900		mg/kg	9.6	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-36-0	Antimony	3.9	U	mg/kg	3.9	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-38-2	Arsenic	4.8	U	mg/kg	4.8	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-39-3	Barium	61		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-43-9	Cadmium	0.48	U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-70-2	Calcium	250		mg/kg	24	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-47-3	Chromium	20		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-48-4	Cobalt	2.7		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-50-8	Copper	17		mg/kg	0.96	12/09/10 14:01	12/20/10 17:11	EPA 6010
7439-89-6	Iron	8300		mg/kg	9.6	12/09/10 14:01	12/20/10 17:11	EPA 6010
7439-92-1	Lead	24		mg/kg	1.9	12/09/10 14:01	12/20/10 17:11	EPA 6010
7439-95-4	Magnesium	240		mg/kg	24	12/09/10 14:01	12/20/10 17:11	EPA 6010
7439-96-5	Manganese	350		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7439-98-7	Molybdenum	37		mg/kg	0.96	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-02-0	Nickel	8.2		mg/kg	0.96	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-09-7	Potassium	210		mg/kg	96	12/09/10 14:01	12/20/10 17:11	EPA 6010
7782-49-2	Selenium	4.3	U	mg/kg	4.3	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-22-4	Silver	0.48	U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-23-5	Sodium	96	U	mg/kg	96	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-24-6	Strontium	2.6		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-32-6	Titanium	98		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-62-2	Vanadium	18		mg/kg	0.48	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-65-5	Yttrium	2.7		mg/kg	0.29	12/09/10 14:01	12/20/10 17:11	EPA 6010
7440-66-6	Zinc	130		mg/kg	1.9	12/09/10 14:01	12/20/10 17:11	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC08

Lab ID: E104009-10

Station ID: HERC08

Matrix: Waste

Date Collected: 9/29/10 8:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:		NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:		NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
782-49-2	Selenium:		NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7100		mg/kg	9.6	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-36-0	Antimony	3.8	U	mg/kg	3.8	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-38-2	Arsenic	4.8	U	mg/kg	4.8	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-39-3	Barium	23		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-43-9	Cadmium	0.48	U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-70-2	Calcium	530		mg/kg	24	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-47-3	Chromium	20		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-48-4	Cobalt	10		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-50-8	Copper	110		mg/kg	0.96	12/09/10 14:01	12/20/10 17:19	EPA 6010
7439-89-6	Iron	3500		mg/kg	9.6	12/09/10 14:01	12/20/10 17:19	EPA 6010
7439-92-1	Lead	25		mg/kg	1.9	12/09/10 14:01	12/20/10 17:19	EPA 6010
7439-95-4	Magnesium	160		mg/kg	24	12/09/10 14:01	12/20/10 17:19	EPA 6010
7439-96-5	Manganese	39		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7439-98-7	Molybdenum	13		mg/kg	0.96	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-02-0	Nickel	150		mg/kg	0.96	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-09-7	Potassium	160		mg/kg	96	12/09/10 14:01	12/20/10 17:19	EPA 6010
7782-49-2	Selenium	4.3	U	mg/kg	4.3	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-22-4	Silver	1.0		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-23-5	Sodium	150	J, QR-2	mg/kg	96	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-24-6	Strontium	4.6		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-32-6	Titanium	46		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-62-2	Vanadium	5.9		mg/kg	0.48	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-65-5	Yttrium	2.0		mg/kg	0.29	12/09/10 14:01	12/20/10 17:19	EPA 6010
7440-66-6	Zinc	220		mg/kg	1.9	12/09/10 14:01	12/20/10 17:19	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division

980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC09-B

Lab ID: E104009-11

Station ID: HERC09

Matrix: Waste

Date Collected: 9/29/10 14:20

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6400		mg/kg	9.6	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-36-0	Antimony	3.9	U	mg/kg	3.9	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-38-2	Arsenic	5.0		mg/kg	4.8	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-39-3	Barium	33		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-43-9	Cadmium	0.48	U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-70-2	Calcium	2800		mg/kg	24	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-47-3	Chromium	26		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-48-4	Cobalt	14		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-50-8	Copper	210		mg/kg	0.96	12/09/10 14:01	12/20/10 17:27	EPA 6010
7439-89-6	Iron	3200		mg/kg	9.6	12/09/10 14:01	12/20/10 17:27	EPA 6010
7439-92-1	Lead	23		mg/kg	1.9	12/09/10 14:01	12/20/10 17:27	EPA 6010
7439-95-4	Magnesium	200		mg/kg	24	12/09/10 14:01	12/20/10 17:27	EPA 6010
7439-96-5	Manganese	36		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7439-98-7	Molybdenum	6.4		mg/kg	0.96	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-02-0	Nickel	340		mg/kg	0.96	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-09-7	Potassium	220		mg/kg	96	12/09/10 14:01	12/20/10 17:27	EPA 6010
7782-49-2	Selenium	4.3	U	mg/kg	4.3	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-22-4	Silver	0.48	U	mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-23-5	Sodium	210	J, QR-2	mg/kg	96	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-24-6	Strontium	7.3		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-32-6	Titanium	61		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-62-2	Vanadium	7.6		mg/kg	0.48	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg	0.29	12/09/10 14:01	12/20/10 17:27	EPA 6010
7440-66-6	Zinc	570		mg/kg	1.9	12/09/10 14:01	12/20/10 17:27	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC10-B

Lab ID: E104009-12

Station ID: HERC10

Matrix: Waste

Date Collected: 9/29/10 14:15

CAS Number	Analyte	Results Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	7000		mg/kg	9.8	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-36-0	Antimony	3.9	U	mg/kg	3.9	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-38-2	Arsenic	4.9	U	mg/kg	4.9	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-39-3	Barium	23		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-41-7	Beryllium	0.29	U	mg/kg	0.29	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-43-9	Cadmium	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-70-2	Calcium	350		mg/kg	25	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-47-3	Chromium	25		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-48-4	Cobalt	10		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-50-8	Copper	93		mg/kg	0.98	12/09/10 14:01	12/20/10 17:34	EPA 6010
7439-89-6	Iron	1900		mg/kg	9.8	12/09/10 14:01	12/20/10 17:34	EPA 6010
7439-92-1	Lead	23		mg/kg	2.0	12/09/10 14:01	12/20/10 17:34	EPA 6010
7439-95-4	Magnesium	170		mg/kg	25	12/09/10 14:01	12/20/10 17:34	EPA 6010
7439-96-5	Manganese	14		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7439-98-7	Molybdenum	4.0		mg/kg	0.98	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-02-0	Nickel	140		mg/kg	0.98	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-09-7	Potassium	160		mg/kg	98	12/09/10 14:01	12/20/10 17:34	EPA 6010
7782-49-2	Selenium	4.4	U	mg/kg	4.4	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-22-4	Silver	0.49	U	mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-23-5	Sodium	180	J, QR-2	mg/kg	98	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-24-6	Strontium	4.2		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-28-0	Thallium	2.9	U	mg/kg	2.9	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-32-6	Titanium	52		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-62-2	Vanadium	7.2		mg/kg	0.49	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg	0.29	12/09/10 14:01	12/20/10 17:34	EPA 6010
7440-66-6	Zinc	270		mg/kg	2.0	12/09/10 14:01	12/20/10 17:34	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC11-B

Lab ID: E104009-13

Station ID: HERC11

Matrix: Waste

Date Collected: 9/29/10 14:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:		NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:		NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:		NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6700		mg/kg	9.1	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-36-0	Antimony	3.7	U	mg/kg	3.7	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-38-2	Arsenic	4.6	U	mg/kg	4.6	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-39-3	Barium	30		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-41-7	Beryllium	0.27	U	mg/kg	0.27	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-43-9	Cadmium	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-70-2	Calcium	1200		mg/kg	23	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-47-3	Chromium	18		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-48-4	Cobalt	13		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-50-8	Copper	110		mg/kg	0.91	12/09/10 14:01	12/20/10 17:42	EPA 6010
7439-89-6	Iron	4700		mg/kg	9.1	12/09/10 14:01	12/20/10 17:42	EPA 6010
7439-92-1	Lead	18		mg/kg	1.8	12/09/10 14:01	12/20/10 17:42	EPA 6010
7439-95-4	Magnesium	210		mg/kg	23	12/09/10 14:01	12/20/10 17:42	EPA 6010
7439-96-5	Manganese	36		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7439-98-7	Molybdenum	2.8		mg/kg	0.91	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-02-0	Nickel	270		mg/kg	0.91	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-09-7	Potassium	170		mg/kg	91	12/09/10 14:01	12/20/10 17:42	EPA 6010
7782-49-2	Selenium	4.1	U	mg/kg	4.1	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-22-4	Silver	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-23-5	Sodium	240	J, QR-2	mg/kg	91	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-24-6	Strontium	8.5		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-28-0	Thallium	2.7	U	mg/kg	2.7	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-32-6	Titanium	54		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-62-2	Vanadium	7.5		mg/kg	0.46	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-65-5	Yttrium	1.6		mg/kg	0.27	12/09/10 14:01	12/20/10 17:42	EPA 6010
7440-66-6	Zinc	370		mg/kg	1.8	12/09/10 14:01	12/20/10 17:42	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC12-B

Lab ID: E104009-14

Station ID: HERC12

Matrix: Waste

Date Collected: 9/29/10 14:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7440-38-2	Arsenic:	NA-5			1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:	NA-5			0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
7782-49-2	Selenium:	NA-5			0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:	NA-5			0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700

D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

Total Metals

Project: 10-0629, Hercules Inc

Sample ID: **HERC13-B**

Lab ID: **E104009-15**

Station ID: **HERC13**

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
7429-90-5	Aluminum	6800		mg/kg	9.1	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-36-0	Antimony	3.7	U	mg/kg	3.7	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-38-2	Arsenic	5.6		mg/kg	4.6	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-39-3	Barium	45		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-41-7	Beryllium	0.27	U	mg/kg	0.27	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-43-9	Cadmium	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-70-2	Calcium	1700		mg/kg	23	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-47-3	Chromium	36		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-48-4	Cobalt	21		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-50-8	Copper	210		mg/kg	0.91	12/09/10 14:01	12/20/10 17:50	EPA 6010
7439-89-6	Iron	3100		mg/kg	9.1	12/09/10 14:01	12/20/10 17:50	EPA 6010
7439-92-1	Lead	36		mg/kg	1.8	12/09/10 14:01	12/20/10 17:50	EPA 6010
7439-95-4	Magnesium	150		mg/kg	23	12/09/10 14:01	12/20/10 17:50	EPA 6010
7439-96-5	Manganese	15		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7439-98-7	Molybdenum	5.6		mg/kg	0.91	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-02-0	Nickel	490		mg/kg	0.91	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-09-7	Potassium	190		mg/kg	91	12/09/10 14:01	12/20/10 17:50	EPA 6010
7782-49-2	Selenium	4.1	U	mg/kg	4.1	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-22-4	Silver	0.46	U	mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-23-5	Sodium	230	J, QR-2	mg/kg	91	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-24-6	Strontium	8.9		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-28-0	Thallium	2.7	U	mg/kg	2.7	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-32-6	Titanium	76		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-62-2	Vanadium	9.0		mg/kg	0.46	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-65-5	Yttrium	1.2		mg/kg	0.27	12/09/10 14:01	12/20/10 17:50	EPA 6010
7440-66-6	Zinc	480		mg/kg	1.8	12/09/10 14:01	12/20/10 17:50	EPA 6010



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D.A.R.T. Id: 10-0629

Project: 10-0629, Hercules Inc - Reported by Jenny Scifres

TCLP Metals

Project: 10-0629, Hercules Inc

Sample ID: HERC13-B

Lab ID: E104009-15

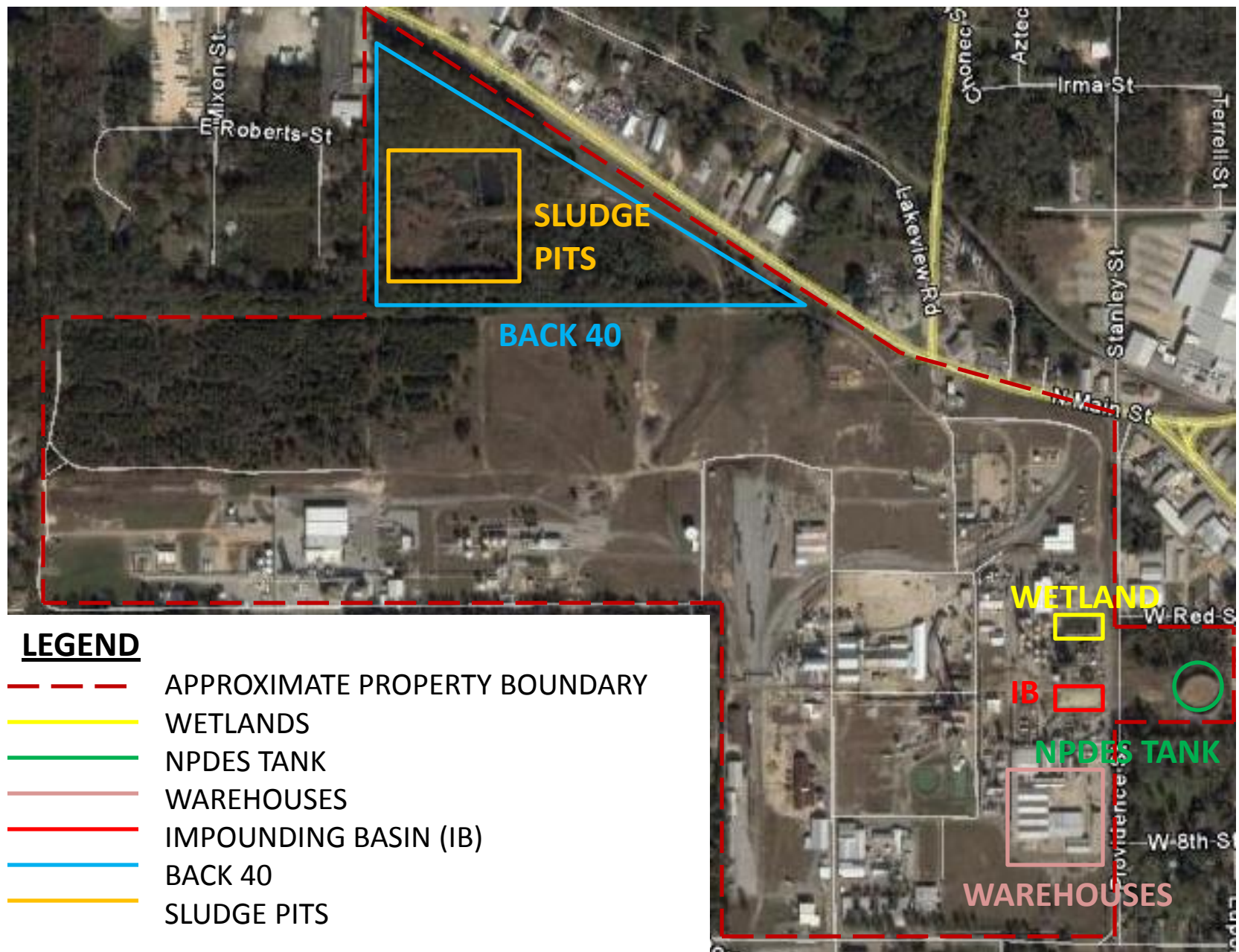
Station ID: HERC13

Matrix: Waste

Date Collected: 9/29/10 15:10

CAS Number	Analyte	Results	Qualifiers	Units	MBL	Prepared	Analyzed	Method
7440-38-2	Arsenic:		NA-5		1.0	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-39-3	Barium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-43-9	Cadmium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-47-3	Chromium:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010
7439-92-1	Lead:		NA-5		0.40	12/29/10 10:38	12/29/10 10:41	EPA 6010
782-49-2	Selenium:		NA-5		0.90	12/29/10 10:38	12/29/10 10:41	EPA 6010
7440-22-4	Silver:		NA-5		0.10	12/29/10 10:38	12/29/10 10:41	EPA 6010

END OF REPORT



HERCULES, INC., 613 West 7th Street, Hattiesburg, MS 39401

Hercules, Inc.

09/28/10-09/29/10



Photo #1



Photo #2

Hercules, Inc.

09/28/10-09/29/10



Photo #3



Photo #4

Hercules, Inc.

09/28/10-09/29/10



Photo #5



Photo #6

Hercules, Inc.

09/28/10-09/29/10



Photo #7



Photo #8

Hercules, Inc.

09/28/10-09/29/10



Photo #9



Photo #10

Hercules, Inc.

09/28/10-09/29/10



Photo #11



Photo #12

Hercules, Inc.

09/28/10-09/29/10



Photo #13



Photo #14

Hercules, Inc.

09/28/10-09/29/10



Photo #15



Photo #16

Hercules, Inc.

09/28/10-09/29/10



Photo #17



Photo #18

Hercules, Inc.

09/28/10-09/29/10



Photo #19



Photo #20

Hercules, Inc.

09/28/10-09/29/10



Photo #21



Photo #22

Hercules, Inc.

09/28/10-09/29/10



Photo #23



Photo #24

Hercules, Inc.

09/28/10-09/29/10



Photo #25



Photo #26

Hercules, Inc.

09/28/10-09/29/10



Photo #27



Photo #28

Hercules, Inc.
09/28/10-09/29/10



Photo #29



Photo #30

Hercules, Inc.

09/28/10-09/29/10



Photo #31



Photo #32